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ADDRESS.

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All Charts may be had in separate sheets (white backs), if specially ordered.

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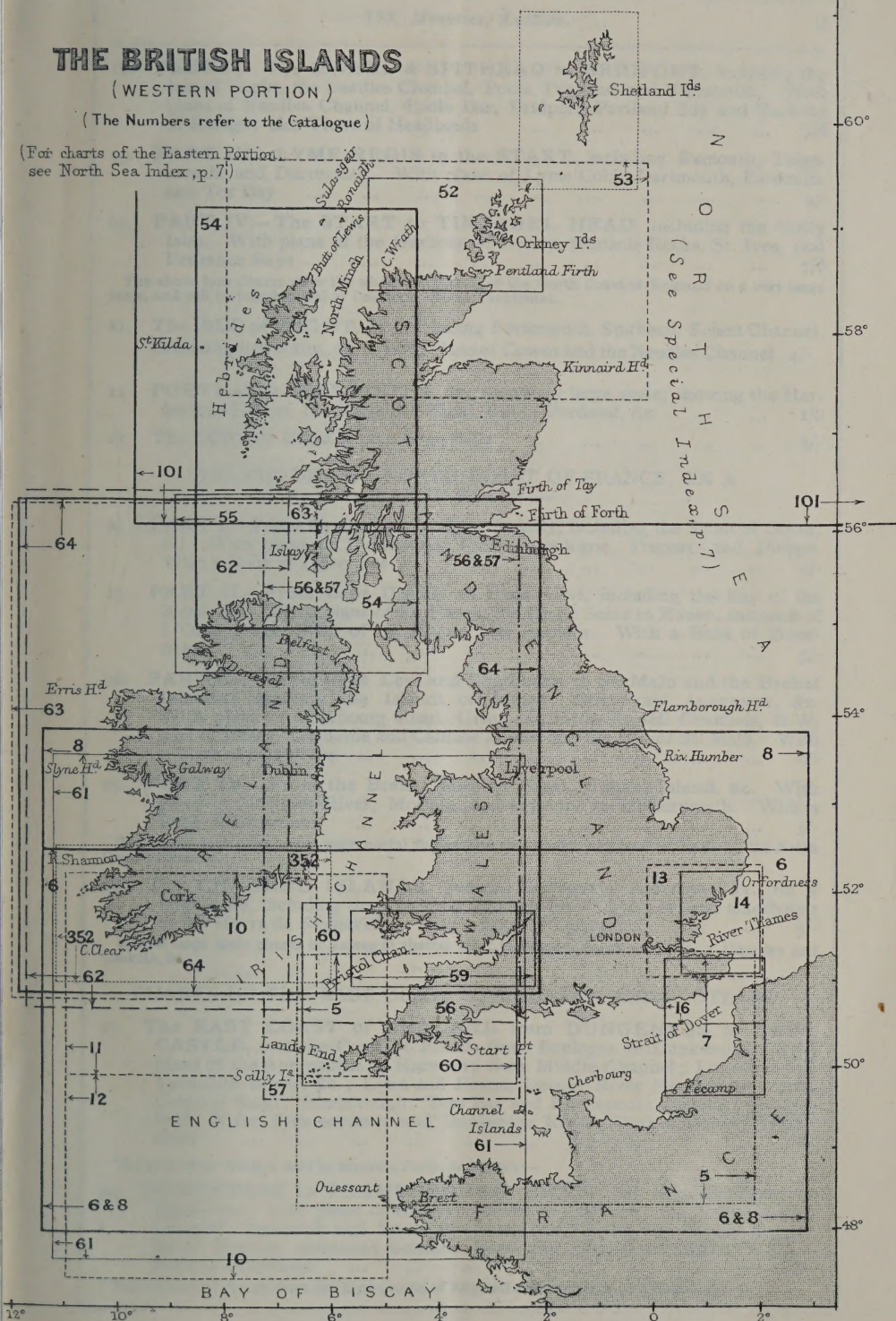
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(WESTERN PORTION)

(For charts of the Eastern Portion
see North Sea Index, p. 71)



18. **PART II. The OWERS & SPITHEAD to BRIDPORT**, including the Isle of Wight, the Needles Channel, Poole, Portland and Weymouth. With plans of Needles Channel, Poole Bar, Bridport, Portland Bay and Harbour of Refuge; also Views of Headlands 7/6
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The preceding Chart is sold in separate Parts, as follows:—

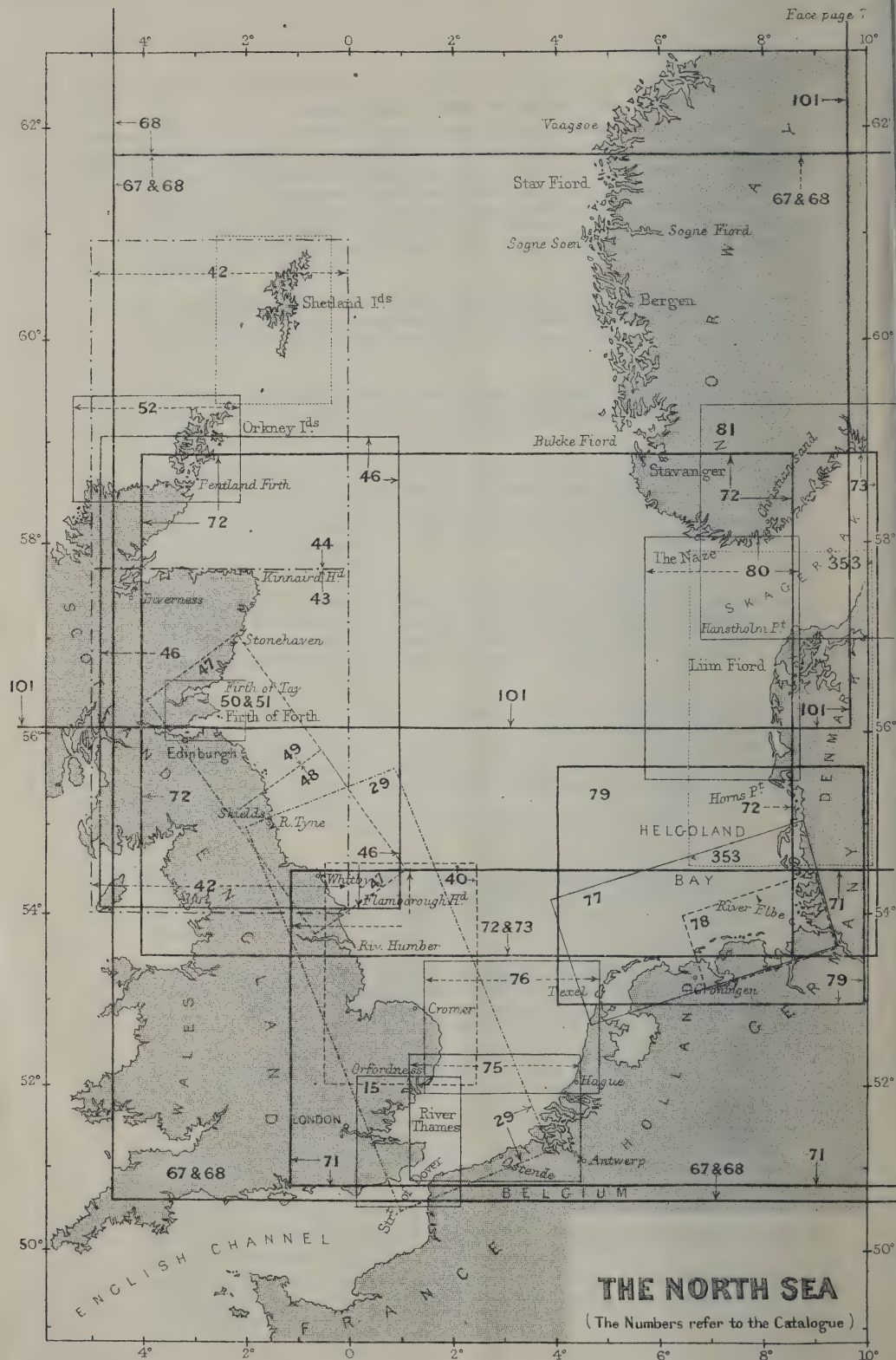
30. **DUNGENESS to FLAMBOROUGH HEAD**; and from Boulogne to Dunkerque; with plans of the Approaches to Harwich; the Swin Middle Channel; Lowestoft and Yarmouth Roads, &c.; Lynn and Boston Deepes; River Humber entrance; Grimsby Road and Dunkerque Road. With a Book of Directions 10/-

This Chart and No. 33 show the East Coasts of England and Scotland, on a large scale.

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On cloth and rollers, coloured and varnished for Counting-house, size 2 ft. 4 in. by 3 ft. 5 in. 12/6
70. **FISHERMAN'S CHART** of the **NORTH SEA**, designed solely for the use of Fishermen. From Dover Strait to the Shetlands and Bergen, and extending to 62° North. This Chart, in addition to the usual information, shows the various banks, rough ground and quality of the bottom, which are named in the terms in common use in the fishing industry. (*Olsen*) ... 8/-
71. **SOUTHERN PART** of **NORTH SEA**, from Dungeness to Flamborough Head on the English side; with the opposite coasts of France, Holland, and Germany, from Calais to Hamburg. With plans of the Downs, Dunkerque Roads, Flushing Roads, &c. &c. On three sheets. With a Book of Directions 12/-
72. **NORTHERN PART** of **NORTH SEA**, from the River Humber to the Orkneys on the English and Scotch sides; with the opposite coasts of Germany, Denmark and Norway. On two large sheets 8/-
73. **NORTHERN PART** of **NORTH SEA**. The same as the preceding, with an additional half-sheet showing the entrance to the Kattegat, and Elbe river as far as Hamburg (enlarged plan of same also) 10/-
74. **ENGLAND** to the **TEXEL**, from Beachy Head to the River Humber on the English Coast, and the opposite Coasts of France and Holland, &c., from Boulogne to the Texel; with an enlarged plan of the entrances to the Texel 8/-
Or, with a Book of Sailing Directions 10/-
- 75.* **FLEMISH BANKS**, &c. A large Chart, on two sheets, showing the navigation between the River Thames and the Ports on the north coast of France (Calais, Ostende, Dunkerque, &c.), the River Schelde to Antwerp, Rotterdam, &c. With a Book of Sailing Directions 8/-
- 76.* **NORTH SEA** (Rivers Thames and Maas to the Texel). A large Chart, on two sheets, showing north of the Chart of the Flemish banks ... 8/-
- 77.* **HOLLAND** and **GERMANY**, from the Texel to Hamburg. A Chart on three large sheets, showing the entrances to the Rivers Elbe, Weser, Ems, Jade, and Hever. Accompanied by a Book of Directions ... 12/-

* The charts Nos. 75, 76, and 77 are on the same scale, and show the navigation from the English Channel to Hamburg. They form a complete series of charts on a large scale of the North Sea southward of Hamburg.

78. **ELBE and WESER &c.**—The entrances to the Rivers Elbe and Weser, Jade, &c., including the Ports of Bremen, Bremerhaven, Cuxhaven, Glückstadt, Hamburg, Tönnning, and Frederichstadt. With Views of Beacons and a plan of Helgoland 5/-
79. **HELGOLAND BAY.** A Chart on two large sheets, showing the coast of Holland, Germany, and Denmark, comprised between the Texel and Horn Reef. This chart includes the Rivers Wever, Ems, Elbe, Jade, &c. With a Book of Directions 8/-
80. **APPROACH to the SKAGERRAK.** On one large sheet, showing the Coast of Jutland north of Horn Reef, and the important off-shore and outer soundings as far as the south coast of Norway 4/-
- 80A. **THE COASTS of GERMANY and DENMARK,** from Helgoland Bight to the Skaw, &c. 6/-
81. **SKAGERRAK, or SLEEVE,** extending from the Naze of Norway to Gothenburg. On a large scale. With numerous plans of Harbours. On two sheets. With a Book of Directions 8/-

NOTE.—Charts Nos. 79, 80, and 81, are on the same scale; they form a series of Charts for the navigation of the eastern part of the North Sea, north of the Texel.

Kattegat, Baltic, Gulf of Bothnia, and Gulf of Finland.

82. **ENTRANCE to the KATTEGAT.** A large Chart on 2½ sheets, showing the navigation between Christiania and Anholt Island. With plans of the approach to Frederikstad, entrance to Gullmar and Aby fiords, entrance to Marstrand fiord, Gothenburg bay, Kongsbacka fiord, Nidingen island and reefs, &c. With a Book of Directions. Limits: latitude 56° 41' to 60° 5' N., longitude 9° 23' to 13° 27' E. 10/-
83. **BELTS and SOUND.** A large Chart on two sheets, showing the navigation between Anholt island and the ports of Apenrade, Flensburg, Schlesvig, Eckernforde, Kiel, Neustadt, Elsinore (Helsingør), Copenhagen, Malmo, Travemunde, Wismar, Rostock, Stralsund, &c., &c. With plans of Harbours. Accompanied by a Book of Directions. Limits: latitude 53° 53' to 56° 52' N., longitude 9° 23' to 13° 27' E. 8/-

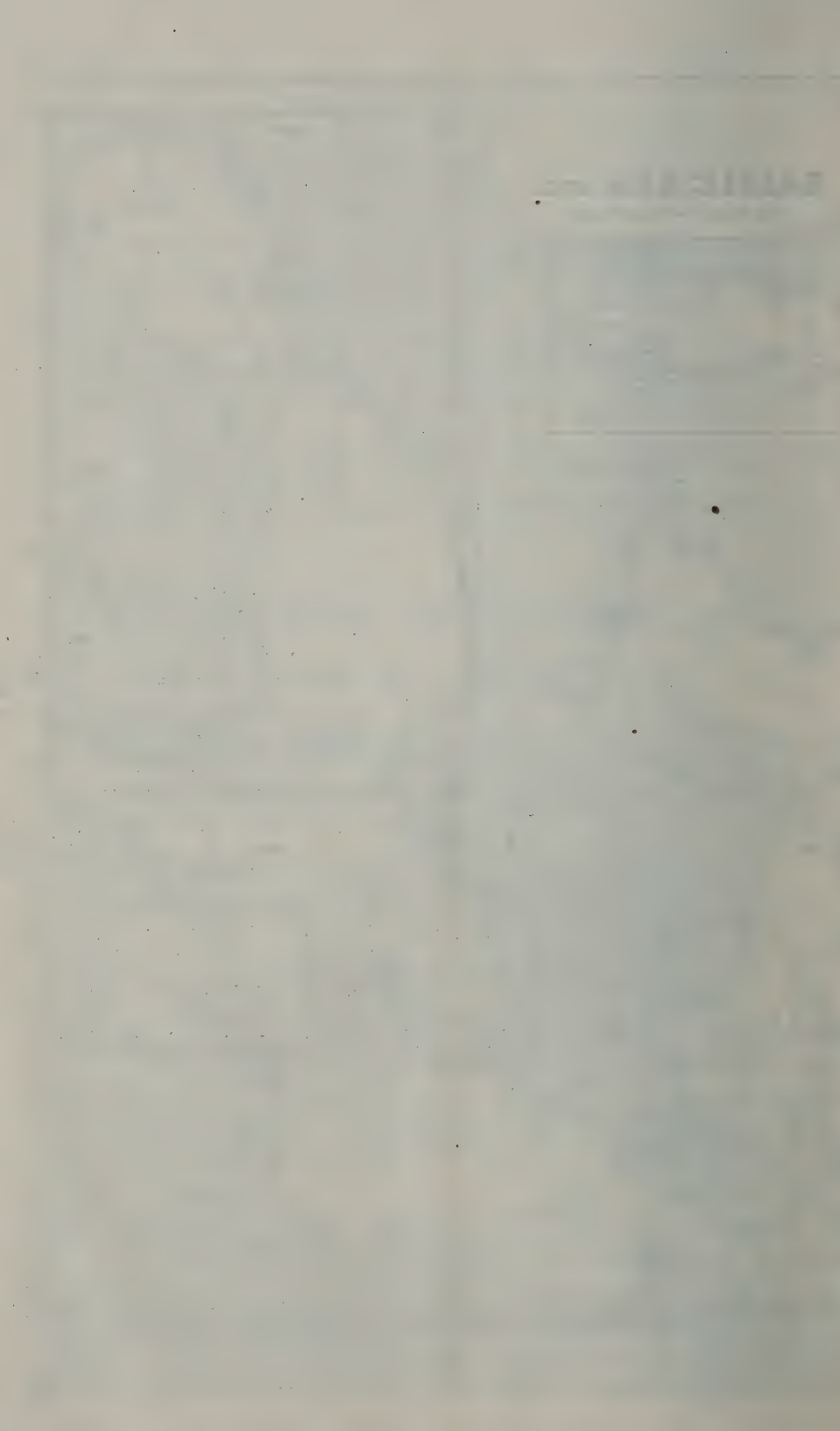
These two charts (Nos. 82, 83) are on the same scale, and are intended to accompany each other. They show the navigation between Christiania fiord and the port of Kiel; consequently, the route through the Kattegat into the Baltic.

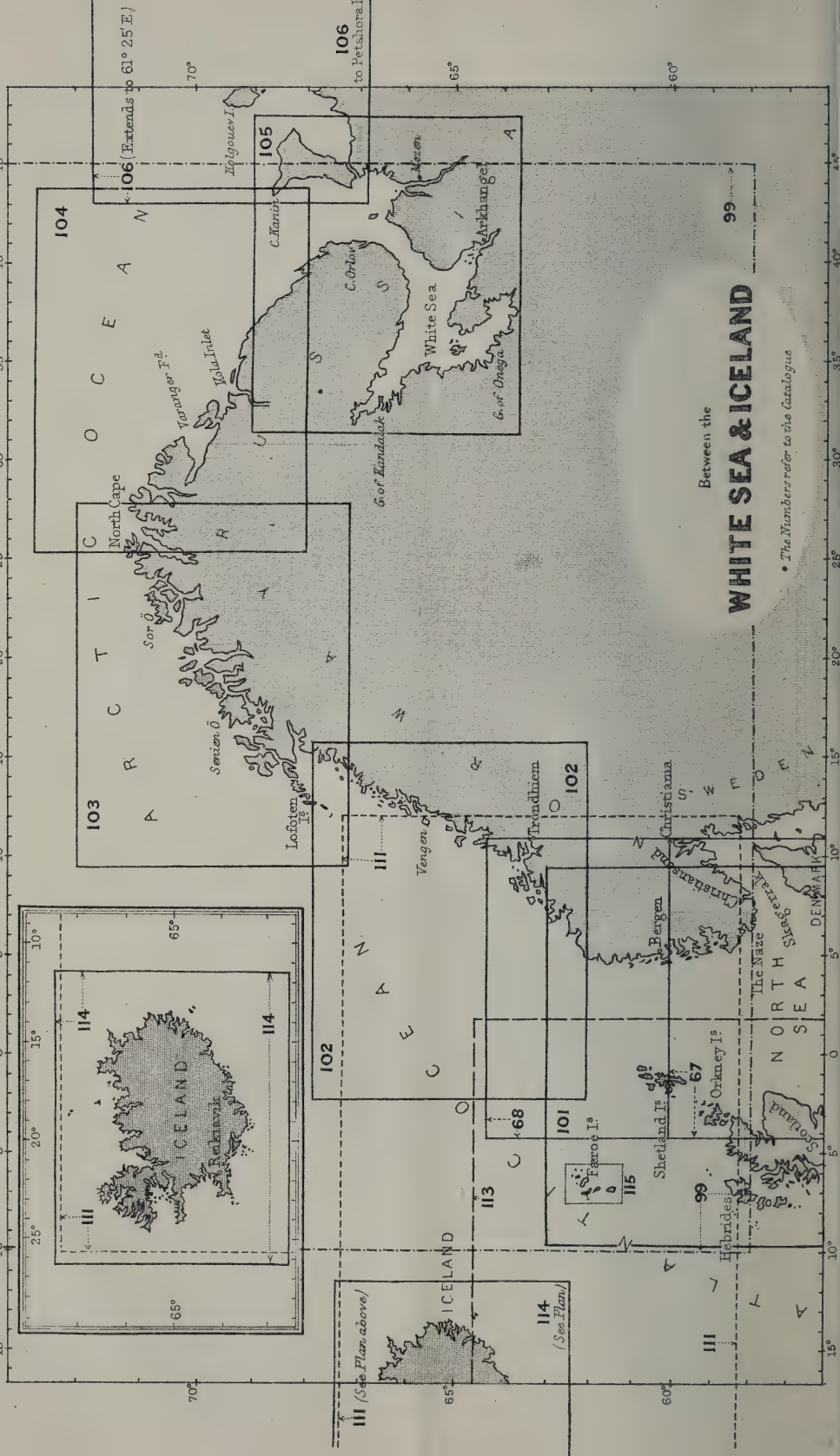
84. **KATTEGAT** (the navigation between the Skaw and Elsinore). Compiled from recent Danish surveys. On two large sheets. Illustrated by numerous Views of the coast, and accompanied by a Book of Sailing Directions ... 8/-
85. **KATTEGAT, SOUND and BELTS.** A large chart on three sheets, showing the navigation from Skagen point through the Belts and Sound into the Baltic. With plans of the principal Harbours. Accompanied by a Book of Directions. Limits: latitude 53° 53' to 58° 10' N., longitude 9° 23' to 13° 27' E. 12/-
86. **THE BELTS.** A large Chart on two sheets, showing the navigation from the Kattegat into the Baltic. This chart is intended to accompany the Chart of the Kattegat (No. 84). Accompanied by a Book of Directions ... 8/-
87. **SOUND.** On a large scale, on two sheets. With large plans of the Drogden Channel, and the Channel of Copenhagen. Compiled from recent surveys. With a Book of Directions 8/-

BALTIC SEA ETC.

* The Numbers refer to the Catalogue.







Between the

WHITE SEA & ICELAND

The Numbers refer to the Catalogue

88. **SOUND.** On one sheet. With plans of Elsinore Harbour, and the Drogden Channel through the Grounds ... 4/-
89. **BALTIC (the Sound to the Gulf of Finland and Gulf of Bothnia).** With plans of the entrance to the Gulf of Riga, Filsand Islands, north and south ends of Oland, Libau, Ertholms, Rönne Harbour, and S.E. coast of Gottland. On two large sheets. Accompanied by a Book of Directions ... 8/-
90. **GULF of RIGA.** On one sheet. Showing the coast from Windau, Lyser-ort, and Swalfer-ort to Riga and Pernau. With plans of entrance to the River Dvina, and the Harbours of Windau and Pernau... 4/-
91. **BALTIC (South Part of),** on three large sheets. Shows the navigation from the Sound to Danzig, Pillau, Memel, the south end of the island of Gottland, &c. With plans of the Drogden Channel, Ystad, Carlskrona channels, Kalmar sound, Ronne, (Bornholm) Swinemunde, Colbergermunde, Rugenwaldermunde, Stolpmunde, Danzig, Pillau, Channel to Königsberg, Libau and Memel. With a Book of Sailing Directions ... 10/-
92. **BALTIC (North Part or),** on three large sheets, on the same scale as the preceding Chart. It extends from Kalmar Sound to the Gulf of Finland, including Stockholm, Gottland, Gulf of Riga, &c.; with plans of Sando Channel, Faro Island and Sound, Westergarns Hamn, Ostergarns channel, Slite Hamn, Rone Hamn, Windau, Tserel Spit and anchorage, River Dwina to Riga, Pernau, &c. With a Book of Sailing Directions ... 10/-
93. **GULF of BOTHNIA,** on 2½ large sheets. With plans of the North Quarken and the Harbours of Gamla Carleby, and Hudiksvall. Accompanied by a Book of Directions ... 10/-
94. **GULF of BOTHNIA (South of the North Quarken).** A large Chart on three sheets on the same scale as the preceding charts (North and South Baltic, Nos. 91 and 92) and intended to accompany them. With plans of harbours, and accompanied by a Book of Directions ... 10/-
95. **GULF of BOTHNIA (North of the North Quarken).** This Chart shows the navigation from Umea to Tornea and Uleaborg, at the head of the gulf, and is on the same scale as Chart No. 94. On two large sheets. With a Book of Directions ... 8/-
96. **GULF of FINLAND,** showing the Navigation from the Baltic Sea to St. Petersburg. With plans of Revel, Port Baltic, Hango Head, Shoals north of Hogland, the entrances to Frederikshamn and Kronstadt. With a Book of Sailing Directions ... 10/-
- 97.* **GULF of FINLAND (West Part),** on two large sheets, extending from the Baltic to Revel and Helsingfors. With plans of Hangö Road, Renskar, Port Baltic and Revel. With a Book of Directions ... 8/-
- 98.* **GULF of FINLAND (East Part),** on three large sheets, a continuation of the last Chart to St. Petersburg. With plans of Laven-sari, Helsingfors, Harra Haven, Kronstadt South Channel, &c. ... 10/-

* These two charts show the Gulf of Finland on a very large scale; they are the finest charts of the Gulf that have ever been published.

Norway, Lapland, and North Russia.

99. **NORWAY and LAPLAND,** showing the navigation between the North and White Seas. With plans of the vicinity of Hammerfest and Tromsø, the Port of Drontheim, and the Bay of Arkhangel. On two large sheets. Accompanied by a Book of Directions ... 8/-
100. **BRITISH ISLANDS to the YENISEI RIVER.** The same chart as No. 99, but with two additional sheets to show the navigation eastward of the White Sea. With a large plan of Petshora Bay ... 14/-

- 100A. **Petshora Bay, Kara Sea, Gulf of Obi, and Yenisei River**, the additional sheets above referred to... 7/-
101. **COAST of NORWAY (Chart No. 1)**. On two large sheets. Limits: lat. $56^{\circ} 0'$ to $63^{\circ} 5'$ N., long. $9^{\circ} 40'$ W. to $9^{\circ} 40'$ E. ... 8/-
102. **COAST of NORWAY (Chart No. 2)**. On two large sheets. Limits: lat. $62^{\circ} 10'$ to $68^{\circ} 0'$ N., long. $2^{\circ} 15'$ W. to $16^{\circ} 0'$ E. ... 8/-
103. **COAST OF NORWAY (Chart No. 3)**. On two large sheets. Limits: lat. $67^{\circ} 10'$ to $72^{\circ} 0'$ N., long. $9^{\circ} 35'$ to $28^{\circ} 0'$ E. With Plan of Narvig approaches ... 8/-
104. **COAST of NORWAY (Chart No. 4)**. Extending from the North Cape to the entrance of the White Sea and showing the coast of Lapland. On two large sheets. Limits: latitude $68^{\circ} 0'$ to $72^{\circ} 35'$ N., longitude $25^{\circ} 35'$ to $44^{\circ} 0'$ E. ... 8/-
105. **WHITE SEA (Chart No. 5 of the above series)**. On two large sheets. With plans of Arkhangel, Sosnovets, Veshnyak, Nokuev, Sem Islands, Iukan-skie and Onega Harbours, the Gulf of Onega, &c. Limits: latitude $63^{\circ} 46'$ to $69^{\circ} 0'$ N., longitude $31^{\circ} 30'$ to $47^{\circ} 30'$ E. Accompanied by a Book of Directions ... 8/-
106. **COAST east of the WHITE SEA to PETSHORA BAY (Chart No. 6)**. With a large plan of Petshora Bay. On two large sheets ... 8/-

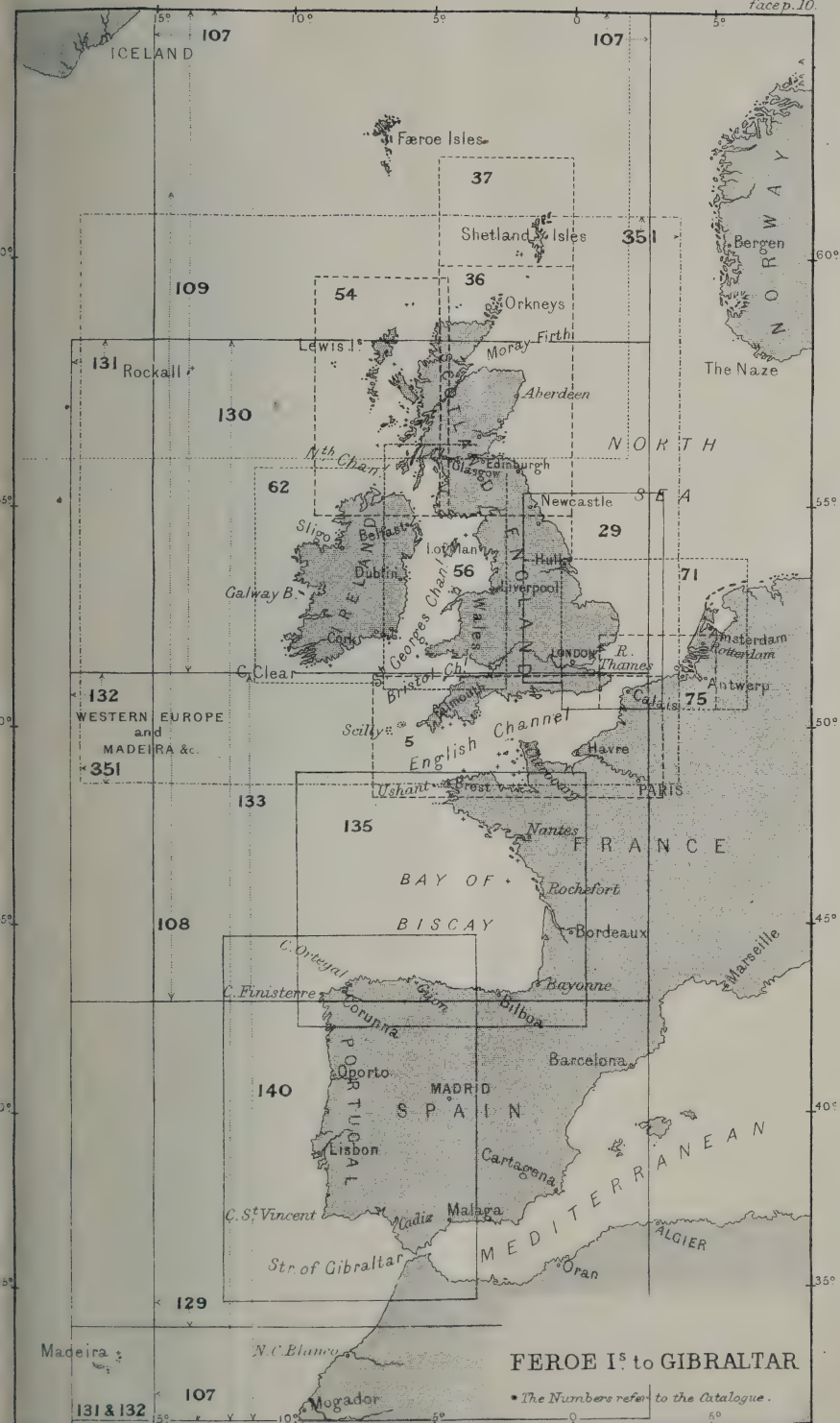
Shipmasters going to Arkhangel should take charts Nos. 99, 101, 102, 103, 104, 105, as those publications exhibit the whole voyage to the White Sea. With the exception of No. 99 (a general chart for the whole navigation) the charts are all on the same scale, and each contains many plans of harbours.

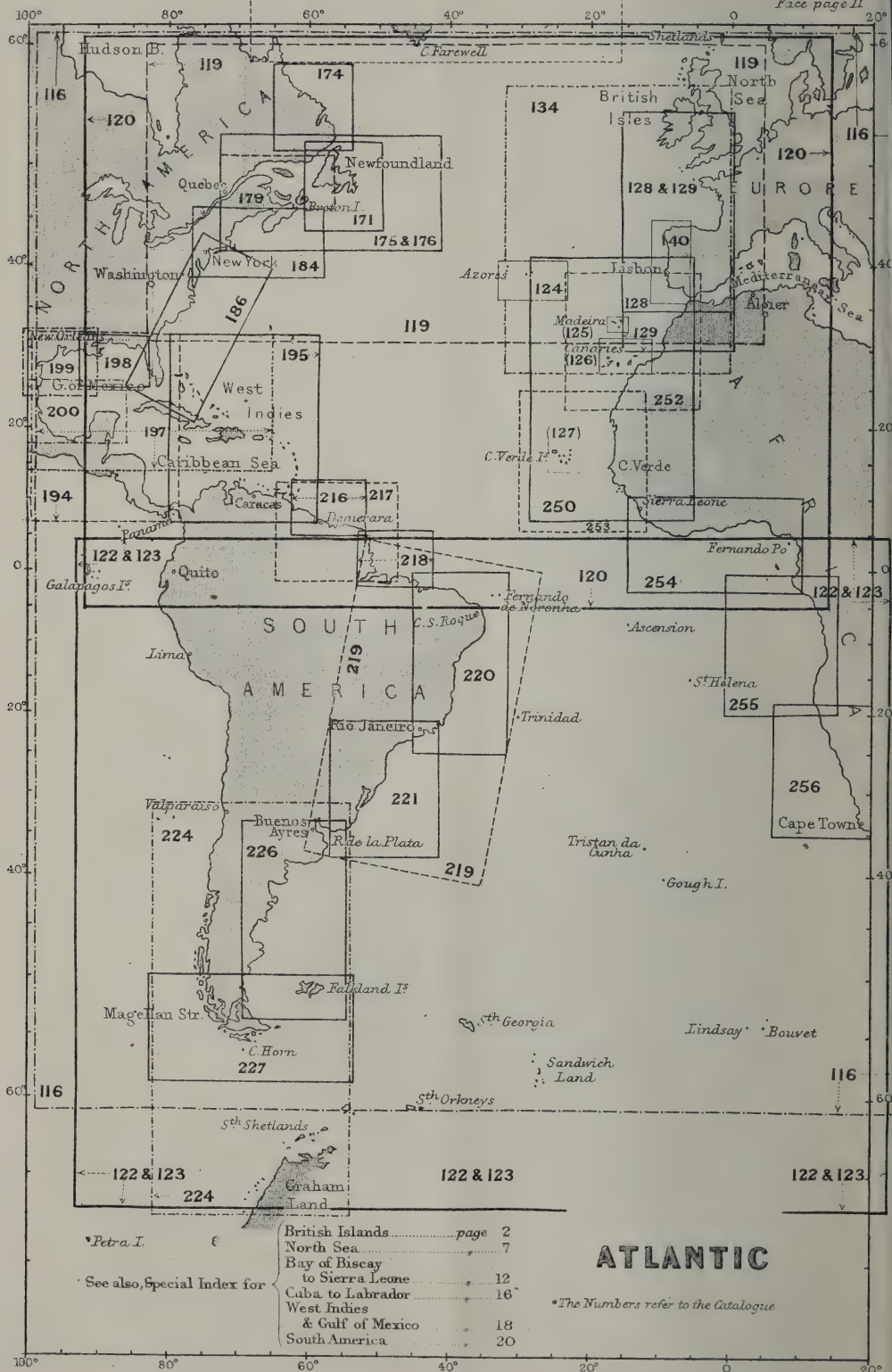
Sea West and North of the British Islands, including Iceland.

107. **FÆROES and SHETLANDS to GIBRALTAR, &c.**, comprising the navigation from the S.E. Point of Iceland; the Coast around Great Britain and Ireland; the Bay of Biscay and Coast of Portugal and Spain, to Gibraltar and part of the Mediterranean Sea; the Coast of Morocco to Mogador, &c. With plans of the Pentland Firth, Rockall, Gironde River entrance, Bilbao, Ferrol & Coruna, River Douro to Oporto, River Tagus, Setubal, River Guadalquivir, River Guadiana to Huelva, Cadiz, Valencia and Barcelona, Mogador Harbour, &c. ... 14/-

This Chart shows the complete navigation around Great Britain and Ireland, and is also sold in Parts as follows:—

108. **FÆROE ISLANDS to the BAY OF BISCAY**, including the Orkney and Shetland Islands. Part of the above Chart to Coruna and Finisterre. With plans of the Pentland Firth, Rockall, Gironde River entrance, and Bilbao ... 10/-
On cloth and rollers, coloured and varnished, for
Counting-house, size 3 ft. 5 in. by 7 ft. ... 35/-
109. **GREAT BRITAIN and IRELAND**, East, North, and West Coasts of, including the East Coast of England and Scotland from the River Thames, the Færoe, Shetland, and Orkney Islands; the Hebrides or Lewis Islands, and whole Coast of Ireland, showing the navigation to the S.E. point of Iceland. With a plan of Rockall Bank... 8/-
110. **NORWAY and LAPLAND to ICELAND**. This Chart shows the navigation from the North and White Seas to Iceland, also from the north part of Scotland to Iceland. It contains plans of Jan Mayen Island, the Færoe Islands, Thorshavn (Færoe Islands), Hammerfest, Tromsøe, Drontheim and Arkhangel. On three large sheets ... 12/-





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British Islands.....	page 2
North Sea.....	7
Bay of Biscay.....	12
to Sierra Leone.....	16
Cuba to Labrador.....	18
West Indies.....	20
& Gulf of Mexico.....	
South America.....	

ATLANTIC

*The Numbers refer to the Catalogue

- III. **NORTH SEA to ICELAND.** A large Chart on three sheets, showing the navigation to Iceland from the North Sea, the Western Coast of Norway, and the northern part of Scotland. With a plan of Bergen and the South channel leading to it; also one of Reikiavik Bay and Harbour. Limits: latitude $58^{\circ} 35'$ to $67^{\circ} 10' N.$, longitude $12^{\circ} 0' E.$ to $25^{\circ} 40' W.$ 12/-
- II2. **BRITISH ISLANDS to ICELAND.** Two sheets of Chart No. III... 8/-
- II3. **SCOTLAND to ICELAND,** including Rockall Bank, extending to $64^{\circ} 40'$ North. A Track Chart for Fishermen, showing tracks from Hoy and Shetlands to Færoe, Iceland and Rockall 8/-
- II4. **ICELAND.** A large chart on two sheets. The Three-mile Territorial limit is clearly shown by a coloured line. With plans of Reikiavik, Isafjord, and Akureyri, and many Views of the coast. With a Book of Directions 8/-
- II4A. **The COASTS of GREENLAND.** Showing the navigation between Iceland and Davis straits, or between the approximate limits of lats. 58° to $71^{\circ} N.$, longs. 16° to $69^{\circ} W.$ With notes about Ice, Currents, &c. (*Just published*) 5/-
- II5. **The FÆROE ISLANDS.** On a very large scale. With a plan of Thorshavn. From the New Survey. With three-mile limit plainly shown 4/-

Atlantic Ocean.

- II6. **ATLANTIC.** A Chart showing the navigation from Europe and North America to Cape Horn and the Cape of Good Hope. On two sheets... 8/-
- II6A. **NORTH ATLANTIC OCEAN.** Great Circle Track Chart (every straight line drawn on this Chart represents part of a Great Circle), by W. C. Bergen. Mounted on cloth 5/-
- II7. **NORTH ATLANTIC (Europe and North America to the Equator).** On one large sheet 4/-
- II8. **SOUTH ATLANTIC (the Equator to Cape Horn and the Cape of Good Hope).** On one large sheet 4/-
- II9. **ATLANTIC (Northern Part).** On three very large sheets. Limits: latitude $31^{\circ} N.$ to $61^{\circ} N.$, longitude $5^{\circ} E.$ to $83^{\circ} 20' W.$ A very useful Chart for the North American trade, as it shows the northern part of the Atlantic on an unusually large scale. With plans of the coast in the vicinity of Cape Race (Newfoundland), Sable Island, and St. George's Bank (United States). With a Book of Directions 12/-
120. **NORTH ATLANTIC,** from Greenland to the Equator, on a very large scale; with plans of the Harbour of Funchal, Horta and Pim Bays, and Fayal Channel, and Bermuda Islands. Illustrated with some Views. This Chart contains much valuable information on the wind and currents... 8/-
On cloth and rollers for Counting-house, coloured and varnished; size 4 ft. 4 in. by 3 ft. 5 in. 21/-
121. **NORTH ATLANTIC (Chart showing the Currents).** The same Chart as No 120, but with the currents distinctly shown in colour, and with an additional sheet of plans, consisting of Tracks, for Steamers, &c., and Wind Charts. Accompanied by "Short Notes on the North Atlantic" 12/-
122. **SOUTH ATLANTIC,** on two large sheets, from the Equator to 65° south latitude, on a very large scale; with plans of the Islands of St. Helena, Ascension, Trinidad, Martin Vas, Fernando Noronha, Roccas Reef, &c. Illustrated with some Views. Much valuable information on the winds, currents, and temperature of the water is embodied in this Chart 8/-
On cloth and rollers for Counting-house, coloured and varnished; size 4 ft. 4 in. by 3 ft. 5 in. 21/-
123. **SOUTH ATLANTIC (Chart showing the Currents).** The same chart as No. 122, but with the currents distinctly shown in colour, and with an additional sheet of plans, consisting of Tracks for Steamers, &c., and Wind Charts. Accompanied by "Short Notes on the South Atlantic" 12/-

Scattered Islands in the Atlantic.

124. **THE AZORES or WESTERN ISLANDS**, on a large scale. With plans of the Island of St. Michael, Punta Delgada, and Villa Franca, Angra and Praya Bays, Villa de Porto and St. Laurenzo. Horta and Pim Bays, Fayal Channel, Formigas Rocks, and Dollabarat Shoals, and illustrated with Views 5/-
125. **MADEIRA, PORTO SANTO, and the DEZERTAS**, on one sheet, with a plan of the harbour of Funchal, and illustrated with some Views. Drawn from recent Admiralty surveys 4/-
126. **CANARY ISLANDS**. With plans of Harbours. Illustrated with some Views. 4/-
127. **CAPE VERDE ISLANDS**, on a large scale. With plans of Porto Grande, Praya, Mordeira, English Road; the most important Harbours in the group. Numerous Views of headlands, and remarks upon making the harbours. 4/-

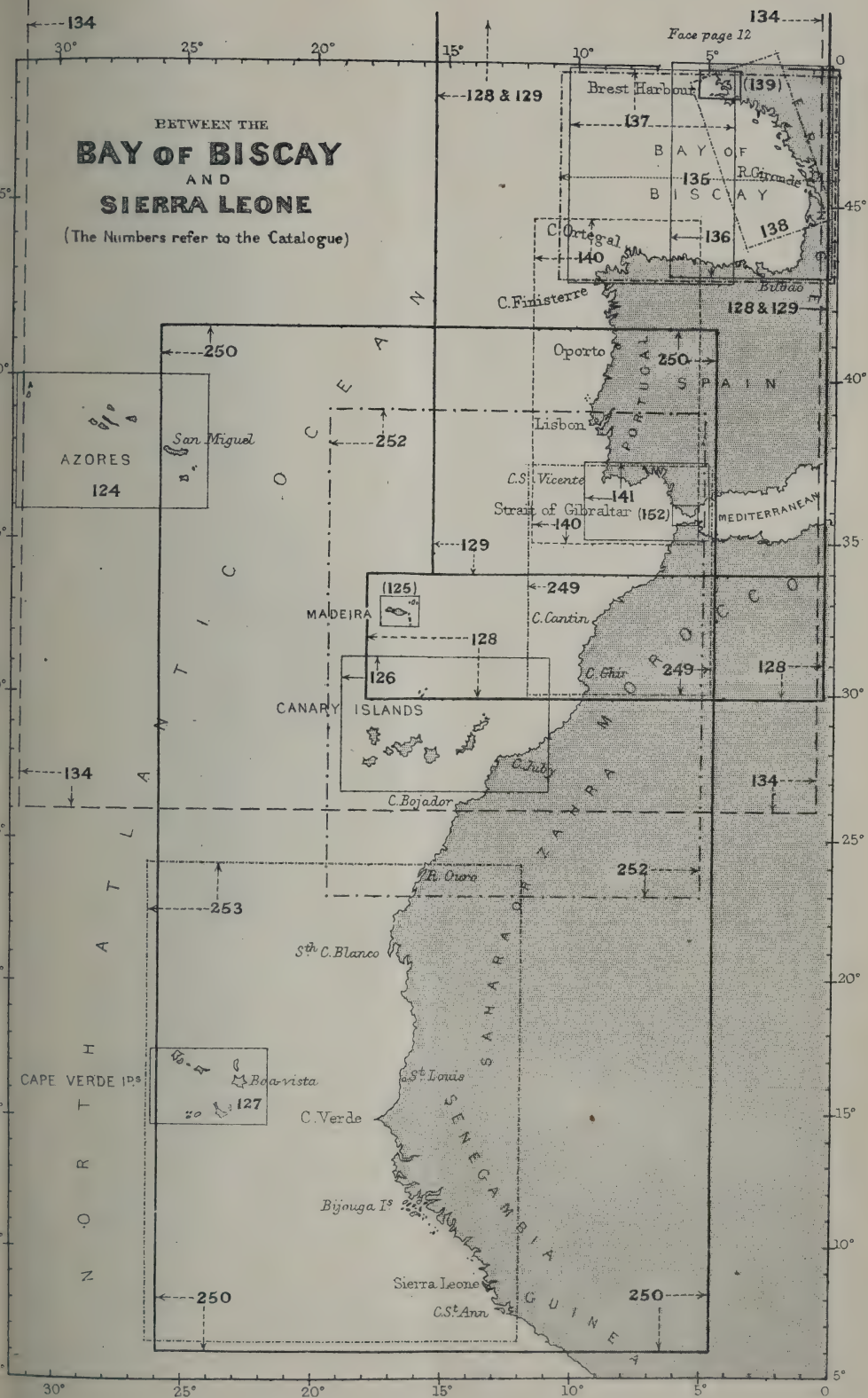
Atlantic Coast of France and Spain, including Portugal.

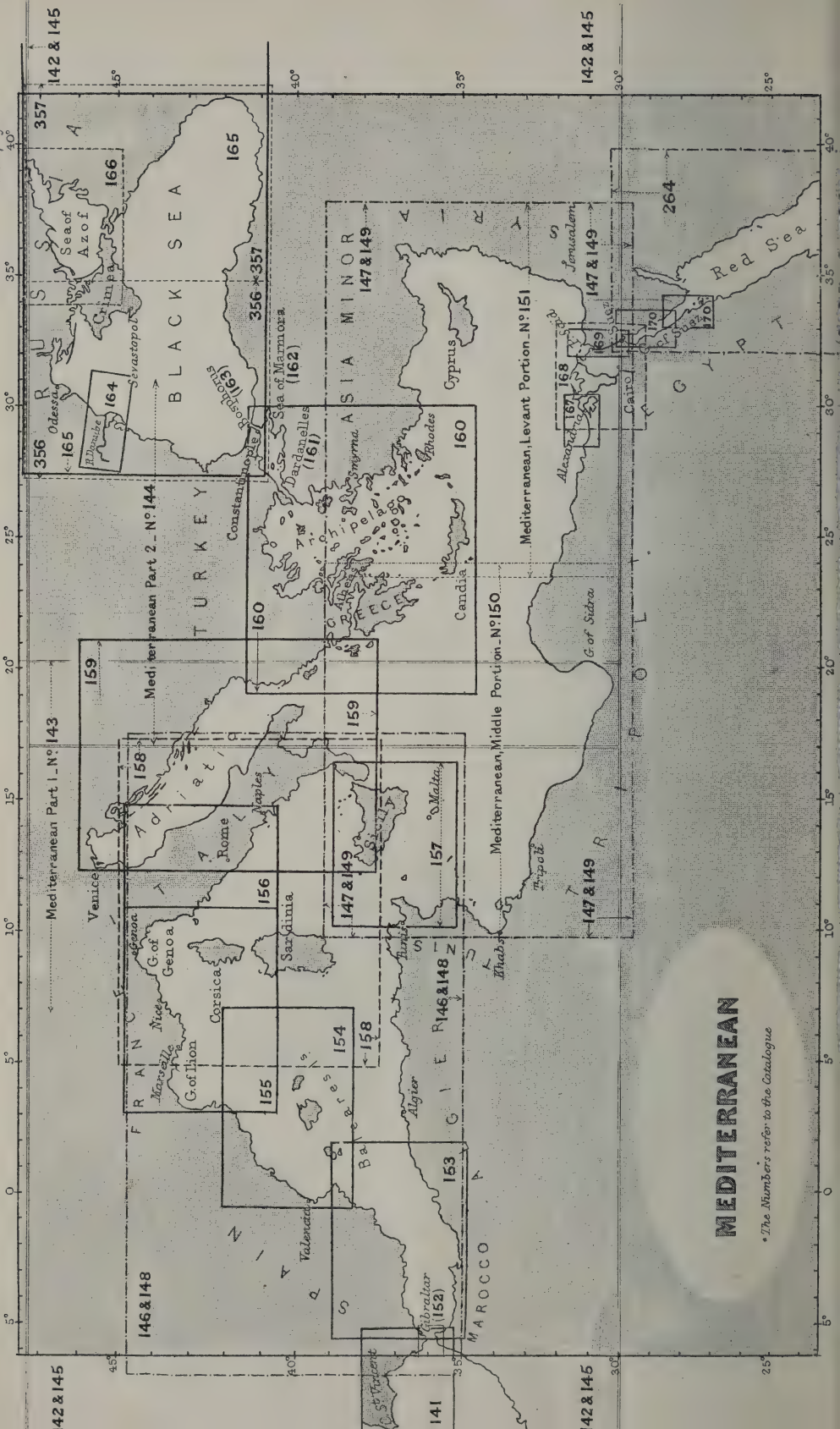
128. **BRITISH ISLANDS to the COAST OF AFRICA**, showing the navigation from Liverpool and Ireland to Mogador and Madeira. With plans of all the principal Harbours. On four large sheets. With a Book of Sailing Directions 12/-
129. **FRANCE, SPAIN and PORTUGAL (the West Coasts of)**, extending from the entrance of the Irish Channel to Gibraltar. With plans of all the principal harbours. Accompanied by a Book of Directions 10/-
130. **ENGLAND to the MEDITERRANEAN**, including the Navigation from the East Coast of England and Scotland, the Hebrides, and Coast of Ireland, the English Channel, Coasts of France, Spain and Portugal, &c., to the Mediterranean Sea, and Coast of Morocco to Mogador. With several plans and a Book of Sailing Directions 10/-

The above is a most useful Chart for vessels bound from Glasgow, Liverpool, or East Coast Ports to the Mediterranean.

131. **WESTERN EUROPE, (the Atlantic Coast of)**, including the Navigation from the Clyde, Liverpool, and the Ports on the East Coast of England and Scotland to Gibraltar and Mogador, including the Island of Madeira. With plans of the entrances to the Gironde, Bilbao, Ferrol, and Coruna, the Douro, Tagus, Setubal, Guadalquiver, Cadiz, Valencia, and Barcelona. With a Book of Sailing Directions 12/-
132. **WESTERN EUROPE, (the Atlantic Coast of)** from the English Channel to Gibraltar and Mogador, including the Island of Madeira. With plans of the entrances to the Gironde, Bilbao, Ferrol, and Coruna, the Douro, Tagus, Setubal, Guadalquiver, Cadiz, Valencia, and Barcelona. With a Book of Sailing Directions 10/-
133. **FRANCE, SPAIN, and PORTUGAL**, including the English Channel and Bay of Biscay; the Coast of Portugal and Spain to Gibraltar and Barcelona, and Coast of Morocco to Mogador. With several plans of Harbours, and a Book of Sailing Directions 8/-

The above is a most useful Chart for vessels bound from the English or Bristol Channels to the Mediterranean. It extends farther eastward than Chart No. 129.





MEDITERRANEAN

The Numbers refer to the Catalogue

134. **BRITISH ISLANDS to the MEDITERRANEAN, CANARIES, MADEIRAS, and AZORES.** On two very large sheets, and with plans of Harbours. Limits: latitude 26° N. to latitude 56° N.; longitude $0^{\circ} 40'$ W. to $31^{\circ} 30'$ W. ... 8/-

This is a very useful chart, especially intended for the fruit trade and shipmasters bound to the Azores or Mediterranean.

135. **BAY OF BISCAY, from Ouessant to Cape Finisterre.** Showing the whole of the Bay, On two large sheets. With plans of the principal Harbours; and accompanied by a Book of Sailing Directions... 8/-

- 136.† **BAY OF BISCAY.** (Ouessant Island and Brest to Bordeaux, Santander, Bilbao, &c.) Drawn from recent surveys made by order of the French Government. With plans of the principal Harbours. On two large sheets. Accompanied by a Book of Directions ... 8/-

- 137.† **BAY OF BISCAY (Western Part—Ouessant Island and Brest to Ferrol and Cape Finisterre).** Showing the Navigation across the Bay westward of longitude 4° W. ... 6/-

138. **WEST COAST OF FRANCE (Brest to Bordeaux).** A large Chart on three sheets, with plans of Quiberon bay, the Mouth of the Gironde, and the Port of Sables d'Olonne. Compiled from recent French surveys. With a Book of Directions ... 12/-

139. **APPROACHES to BREST.** A large sheet showing Ouessant Island and Channel, the Chaussée de Sein, Douarnenez bay, and Brest Roadstead. With plans on a very large scale of the Chenal du Four, the Goulet de Brest, and Brest Harbour and its Dock accommodation ... 5/-

140. **COAST of SPAIN and PORTUGAL (Cape Ortegal to the Strait of Gibraltar).** With plans on a large scale of all the principal Harbours. On three large sheets. Accompanied by a Book of Sailing Directions ... 12/-

* Charts Nos. 136, 137 and 140 show the navigation from the English Channel to the Mediterranean. They are on the same scale, and follow the one from the other.

141. **COAST of PORTUGAL and SPAIN from Cape St. Vincent to Gibraltar.** On a very large scale. With plans of the principal Harbours ... 5/-

Mediterranean Sea.

142. **MEDITERRANEAN SEA.** On four large sheets, containing about thirty plans of Harbours, &c., among which are the following:—Malaga, Alicante, Barcelona, Villefranche, Strait of Gibraltar, Cartagena, Genoa, Hyeres Road, Leghorn, Toulon, Cagliari, Algiers, Strait of Bonifacio, Gulf of Naples, Palermo, Strait of Messina, Valetta, Smyrna, River Danube, Alexandria, Cephalonia, Trieste, Patras, &c. Illustrated with numerous Views of the coast, and descriptive notes. Drawn from recent surveys made by order of the British, French, Austrian and Russian Governments ... 12/-
On cloth and rollers for Counting-house, coloured and varnished; size 8 ft. 4 in. by 3 ft. 4 in. ... 42/-

This chart may also be had in two Parts, as follows:—

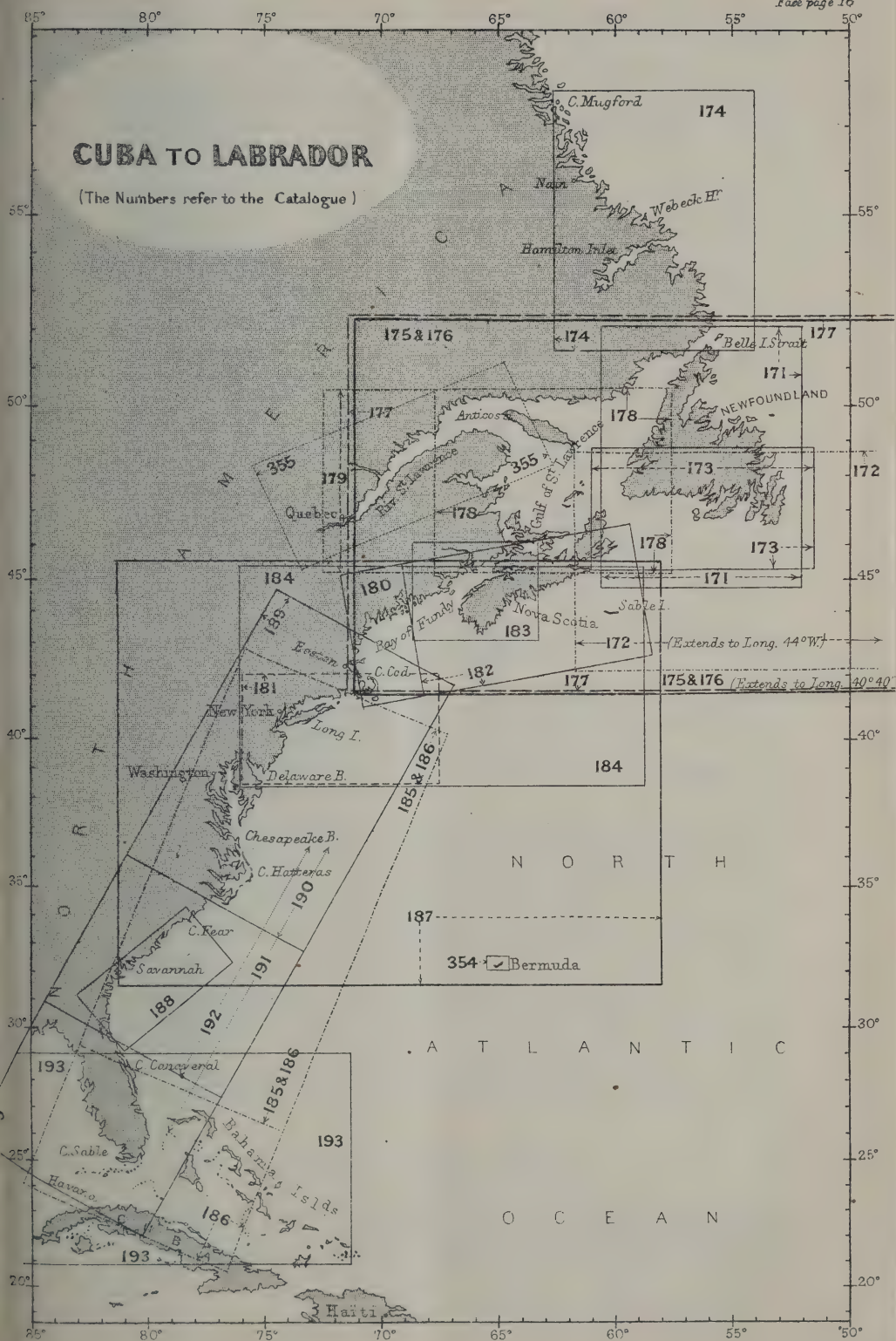
143. **(Part I.)—Gibraltar to the Adriatic,** on two large sheets. This chart shows the navigation between the coast of Spain and the ports in the Adriatic, and contains many plans of Harbours ... 7/-
144. **(Part II.)—Italy to Alexandria,** on two sheets. This chart comprises the navigation between the Adriatic, Black Sea, and the Levant, and contains numerous plans of Harbours ... 7/-

145. **MEDITERRANEAN SEA**, with extended true Compass or rhumb lines, including the Adriatic Sea, the Grecian Archipelago and Black Sea, and including part of the Bay of Biscay, to lat. $47^{\circ} 30' N.$; with plans of Gibraltar Strait, Malaga, Cartagena, Valencia, Port Palma, Columbretes Rocks, Barcelona, Marseille, Genoa, Leghorn, Bonifacio Strait, Messina Strait, Syracuse, Maltese Islands, Valetta, Corfu North Channel, Syra, Smyrna Gulf, Alexandria, Bombah, Tripoli, Bouja, Algiers, Port Scherschel and Tangier. With a Book of Directions. A useful General Chart ... 12/-
On cloth and rollers, coloured, and varnished, for
Counting-house, size 3 ft. by 7 ft. ... 32/-
- 146.† **WESTERN PART of the MEDITERRANEAN SEA**, extending from Cape St. Vincent, Cadiz and Gibraltar, to Malta, &c., including Corsica, Sardinia, and West Coast of Italy, Sicily, and the Coast of Africa from Cape Spartel to Tunis. With plans of Gibraltar, Ceuta, Malaga, Almeria, Cartagena, Alicante, Valencia, Barcelona, Cette, Marseille, Port Iviza, Port Palma, Port Mahon, Genoa, Leghorn, Civita Vecchia, Bay of Naples, Valetta, Oran, Algier, &c. With a Book of Directions ... 12/-
On cloth and rollers, coloured, and varnished, for
Counting-house, size 3 ft. 6 in. by 7 ft. 2 in. ... 35/-
- 147.† **EASTERN PART of the MEDITERRANEAN SEA**, or Levant, extends from Sicily and Malta to Syria and Egypt, including the Archipelago to the entrance of the Dardanelles. With plans of Syracuse, Smyrna, Tripoli, Ben Ghazi, Alexandria, and Port Said. With a Book of Directions ... 12/-
- † These two Charts will be found most useful for Suez Canal and Black Sea Steamers.
- 148.* **MEDITERRANEAN (Western Portion of)**, on three large sheets, showing the navigation between Gibraltar and Malta on the most extensive scale yet published. With numerous plans of Harbours. Accompanied by a Book of Directions ... 12/-
- 149.* **MEDITERRANEAN (Eastern Portion of)**, on four large sheets, showing the navigation between Sicily and Malta and the coast of Egypt and Syria, on a large scale. With numerous plans of Harbours. Accompanied by a Book of Directions ... 12/-
- * These two Charts (Nos. 148, and 149) show the whole navigation from Gibraltar to Alexandria and the coast of Syria, on a very large scale. The chart No. 149, being very large, may be had in two parts, as in Nos. 150, and 151.
150. **MEDITERRANEAN (Middle Portion of)**, on two large sheets, showing the navigation between Sicily and Malta and the Grecian Archipelago. Accompanied by a Book of Directions ... 7/-
151. **MEDITERRANEAN (Levant Portion)**. On two large sheets, showing the navigation between the Grecian Archipelago and the coast of Egypt and Syria. With plans of the most important Harbours. Accompanied by a Book of Directions ... 7/-
152. **GIBRALTAR STRAIT**. A sheet showing the Strait on a very large scale. With a special plan of the Port ... 2/-
153. **COAST of SPAIN (Gibraltar to Cape San Antonio)**. With plans of Cartagena, Malaga, Torre Vieja, Alicante, Almazarron, Almeria, Porman, Aguilhas, Portus, Carbonera, Mount Cope, Grosa Island, Benidorme, Herradura Bay, Ceuta Bay, Alboran Island, &c. ... 5/-
154. **COAST of SPAIN (Cape San Antonio to Cape San Sebastian, including the Balears Islands)**. With plans of Barcelona, port Mahon, Valencia, Mattaro, Palma, Tarragona, Alfaques, Salou, Denia, Iviza, Cabrera, Palamos, Fangal, Soller, Cape Cullera, Columbretes Islands, &c. ... 5/-
155. **GULF OF LYONS**. A Chart on two large sheets, showing the South Coast of France and the navigation thence to the Strait of Bonifacio. With plans of the Harbours of Marseille, Cette, Ciotat, Bandol, St. Nazaire Bay, Nice, Villa Franca, Savona, Vado, Portofino, Livorno (Leghorn), Toulon and Hyeres Bay. Limits: latitudes $40^{\circ} 25'$ and $45^{\circ} 0' N.$, longitudes $2^{\circ} 50'$ and $10^{\circ} 50' E.$... 8/-

- 156. SOUTH COAST OF FRANCE, and WEST COAST OF ITALY**, as far south as Naples. The same Chart as No 155, and consequently containing all the plans of Harbours in that Chart, but with an additional sheet to show the navigation from Marseille, through Bonifacio strait, to Naples. The extra plans are Bonifacio Strait, Genoa, Piombino Channel, Spezia Gulf, Naples, Geata, Civita Vecchia, Procida and Ischia Channels. Limits: latitudes $40^{\circ} 25'$ and $45^{\circ} 0'$ N., longitudes $2^{\circ} 50'$ and $14^{\circ} 50'$ E. ... 17/-
- 157. SICILY and MALTA.** A Chart, on two large sheets, of the sea comprised between the Coast of Tunis and the South Coast of Italy. It shows the navigation of the Sicilian Sea eastward of the Cani Rocks. Limits: latitude $35^{\circ} 30'$ to 39° N.; longitude $10^{\circ} 10'$ to $16^{\circ} 20'$ E. With plans of Palermo and Valetta Harbours. Accompanied by a Book of Directions ... 8/-
- 158. THE WEST COAST OF ITALY, &c.**, on a large scale, extending from Marseille to the Strait of Messina, including the Islands of Corsica, Sardinia, &c. With plans of Marseille, Genoa, Port Leghorn, Piombino Channel, Bonifacio Strait, Civita Vecchia, Palermo, Messina, &c., &c. With a Book of Directions ... 8/-
- 159. ADRIATIC SEA, with Gulfs of Venice and Trieste**, on a large scale, extending from the Strait of Messina on the West, and part of the Ionian Islands on the East, to the head of the Adriatic Sea. With plans of Taranto Bay; Harbours of Gallipoli, Brindisi, Monopoli, Bari, and Manfredonia; Tremiti Islands; Channels leading to Venice; Trieste, Fiume, Gulf of Cattaro, &c., &c. With a Book of Directions ... 10/-
- 160. GRECIAN ARCHIPELAGO.** On two large sheets. With plans of Cervi, Skiato, and Doro Channels, the Harbours of Syra, Kalamitza, and Sigrí; Salamis and Saloniki Bays, the Gulf of Smyrna and Khios Strait, &c. Drawn chiefly from recent British surveys. With a Book of Directions ... 10/-
- 161. DARDANELLES**, on one large sheet. With plans of the Tenedos Channel, Narrows of the Dardanelles and Lamsaki Bay ... 4/-
- 162. SEA OF MARMORA**, on one sheet. With numerous plans of Harbours 4/-
- 163. BOSPHORUS.** On a very large scale. With a plan of the Golden Horn and Oumour Bay ... 4/-
- 164. RIVER DANUBE (Sulina Harbour to Galatz).** On a very large scale. With a plan of Sulina Harbour ... 4/-
- 165. BLACK SEA and Sea of Azov**, on three sheets. With plans of the Bosphorus and Strait of Kertch, Sulina harbour, Kustenhjeh, Odessa, Balaklava, Burghaz, Varna, Soujak, Batoum, Trebizond, Yalta, Amastra, and Sinoub; also of Ochakov Channel and Gulf of Azov. With a Book of Directions 12/-
- 165A. BLACK SEA. (Western Part).** Between Constantinople, Odessa, and Sebastopol; with Plans of the River Danube, the Sulina Mouth, Odessa, Sebastopol, Kustenhjeh, and Varna. On two large sheets. With a Book of Directions. (*Laurie's*) ... 8/-
- 165B. BLACK SEA (Eastern Part), and the Sea of Azov.** With Plans of Balaklava, Yalta and Ourzouf Roads, Strait of Kertch, Novorossisk, and Batoum. On two sheets. With a Book of Directions. (*Laurie's*) ... 8/-
- 166. SEA of AZOV.** On two sheets. With plans of Taganrog, Marioupol, Berdiansk Road, and Kertch Strait ... 8/-
- 167. ALEXANDRIA (the Port of Alexandria and Coast in its Vicinity).** A chart showing the coast of Egypt in the vicinity of Alexandria, on a large scale. With plans of Alexandria Harbour and New Port ... 5/-
- 168. COAST OF EGYPT and APPROACHES to PORT SAID.** A large Chart on two sheets showing the Delta of the Nile, and the coast of Egypt eastward from Alexandria to Port Said. Also, the Suez Canal, and the Port of Suez ... 8/-
- 169. SUEZ CANAL and PORT SAID.** On one sheet. With Directions 3/-

Newfoundland, Labrador, Gulf and River St. Lawrence.

171. **NEWFOUNDLAND.** On two large sheets. Drawn from recent English and French surveys. Accompanied by a Book of Directions 10/-
172. **BANKS OF NEWFOUNDLAND.** This Chart shows the whole of the Banks from the Flemish Cap to the entrance of the Gulf of St. Lawrence. With plans of the principal Harbours. On three large sheets. With a Book of Directions 12/-
173. **SOUTH COAST of NEWFOUNDLAND.** On three large sheets. Compiled principally from recent surveys. This Chart contains many plans of harbours, and shows the Banks on a very large scale; it will be found extremely useful to shipmasters engaged in the Quebec and Montreal trade. With a Book of Directions 12/-
174. **COAST of LABRADOR** (Strait of Belle Isle to Port Manvers). On two large sheets. With plans of all the principal Harbours. Limits; latitude $51^{\circ} 30'$ to $57^{\circ} 50'$ N., longitude 54° to $62^{\circ} 30'$ W. 8/-
Charts Nos. 171, and 174 are on the same scale, and are intended to accompany each other.
175. **STRAIT of BELLE ISLE to CAPE COD** (Gulf and River St. Lawrence, Newfoundland, &c.). On three large sheets. This Chart shows the Coast of North America between Belle Isle and Cape Cod, and includes therefore, the Island of Newfoundland, the Gulf and River St. Lawrence, and Coast of Nova Scotia. In it are plans of Halifax, Conception Bay, Strait of Belle Isle, St. Pierre, Harbour Grace, Cape Race, Cape Ray, &c., &c. With a Book of Directions 12/-
176. **FLEMISH CAP to CAPE COD and the BANKS of NEWFOUNDLAND.** A large Chart on three sheets, especially useful to Fishermen, as it shows the Flemish Cap, the most eastern known bank. With plans of harbours, Accompanied by a Book of Directions 12/-
177. **BELLE ISLE to BOSTON**, including the Banks and Island of Newfoundland, Nova Scotia, Prince Edward Island, Gulf and River St. Lawrence, Bay of Fundy, and Coast of the United States to Boston. With plans of Halifax, St. John's, Island of St. Pierre, Liverpool Bay, Nova Scotia, St. Paul's Island, St. Andrew, St. John, Boston, &c.; with the upper part of the River St. Lawrence, on an enlarged scale. With a Book of Directions 12/-
178. **GULF of St. LAWRENCE**, on two sheets, on a large scale, with numerous plans of Harbours 8/-
179. **GULF and RIVER St. LAWRENCE.** A large Chart on three sheets, showing the navigation from the west coast of Newfoundland to Quebec. With many plans of Harbours, and accompanied by a Book of Directions 12/-
- 179A. **The RIVER of St. LAWRENCE**, from Anticosti to Montreal. With Plans of Gaspé and Mal Bays, Bay of Seven Islands, the River from Green Island to Cape Goose, from the shoals of St. Anne to the Isle of Orleans, Quebec, and Channels of Orleans, and from the Isle Ste. Therese to Montreal. On three sheets. (Laurie's). With a Book of Directions 12/-
180. **CAPE CANSO to CAPE COD** (Chart 1), on a very large scale, comprising the coast of Nova Scotia, the Bay of Fundy, and Coast of the United States, to Boston and Cape Cod. With plans of Halifax, Liverpool Bay, Yarmouth, St. John, St. Andrew, Portland, Boston, &c. With Directions 12/-



181. **CAPE COD to PHILADELPHIA.** (Chart 2), including St. George's and Nantucket Shoals. With plans of New Bedford, Newport, New London, Channels to New York, Cape Henlopen and Delaware Breakwater, &c. With a Book of Directions 10/-

Part of Chart No. 180 can also be had, as follows:—

182. **NOVA SCOTIA and BAY OF FUNDY,** from the Gut of Canso to Penobscot Bay. With plans of Halifax, Liverpool Bay, Yarmouth, St. John and St. Andrew 10/-

183. **BAY OF FUNDY.** A large Chart on two sheets. With plans of St. John Harbour, River Petitcoudiac, Grand Passage, Petit Passage, Digby Gut, Flag Cove, South-west Harbour and Somes Sound, Etang and Winter Harbours. Limits: latitude $43^{\circ} 10'$ to $46^{\circ} 8' N.$, longitude $63^{\circ} 15'$ to $68^{\circ} 35' W.$... 8/-

184. **CAPE CANSO to NEW YORK and DELAWARE BAY.** A large Chart on three sheets. With plans of the Coast in the vicinity of New York, Boston bay, and Portland Harbour. Accompanied by a Book of Directions ... 12/-

185. **NEW YORK to the STRAIT of FLORIDA.** On three large sheets. With plans of the most important Harbours. Accompanied by a Book of Sailing Directions 12/-

186. **NEW YORK to HAVANA and KEY WEST.** On four large sheets, being the same Chart as No. 185, but with an additional sheet to show the navigation through Florida Strait. With a Book of Sailing Directions ... 14/-

NOTE.—The Charts Nos. 172, 184, 185, or 186 are on the same scale, and one follows the other. They show the Navigation across the Banks of Newfoundland to the ports on the eastern coast of the United States. Vessels from Europe should be provided with Chart No. 119 (page 11), in addition to these publications.

187. **CAPE CANSO to SAVANNAH and BERMUDA.** On two large sheets. With plans of New York, Portland, St. John (New Brunswick), Boston, also a large plan of Bermuda and St. George's Harbour... .. 8/-

188. **COTTON PORTS OF CAROLINA and GEORGIA.** On three large sheets, showing the coast of the United States westward of Cape Fear as far as St. Augustine. Compiled from recent surveys made by the United States Coast Surveyors. With a Book of Directions 12/-

NOTE.—This Chart shows the approaches to the principal Cotton Ports of the United States on a very large scale. It contains plans of St. Helena Sound, Charleston, Bull Bay, entrance to Savannah river, Doboy Sound, &c.

189. **BOSTON to the STRAIT of FLORIDA and HAVANA.** With plans of New York Harbour, Entrance to the Delaware, Shoals off Cape Charles, Shoals off Cape Hatteras, Ocracoke Inlet, Cape Fear River entrance (Wilmington) Frying Pan shoals, Charleston Harbour, Savannah River, St. John River, &c. Four Sheets. With a Book of Directions 14/-

NOTE.—Charts Nos. 177, and 189 show the complete navigation of the East Coast of North America. The above Chart is sold in Parts as follows:—

190. **BOSTON to CAPE LOOK OUT,** including New York, Delaware, Chesapeake &c. With plans of Harbours and a Book of Directions 8/-

191. **CAPE FEAR to FLORIDA.** With plans of Harbours and a Book of Directions 8/-

192. **BOSTON to CHARLESTON, SAVANNAH, and St. Augustine.** Three sheets of Chart 189. With plans of Harbours and a Book of Directions 12/-

West Indies, &c.

193. **BAHAMA ISLANDS and BANKS.** On $2\frac{1}{2}$ large sheets. Showing the Strait of Florida and adjacent coasts, with plans, on a large scale, of Key West, east part of Florida Reef, Havana Matanzas, New Providence, &c. Drawn from recent surveys 10/-

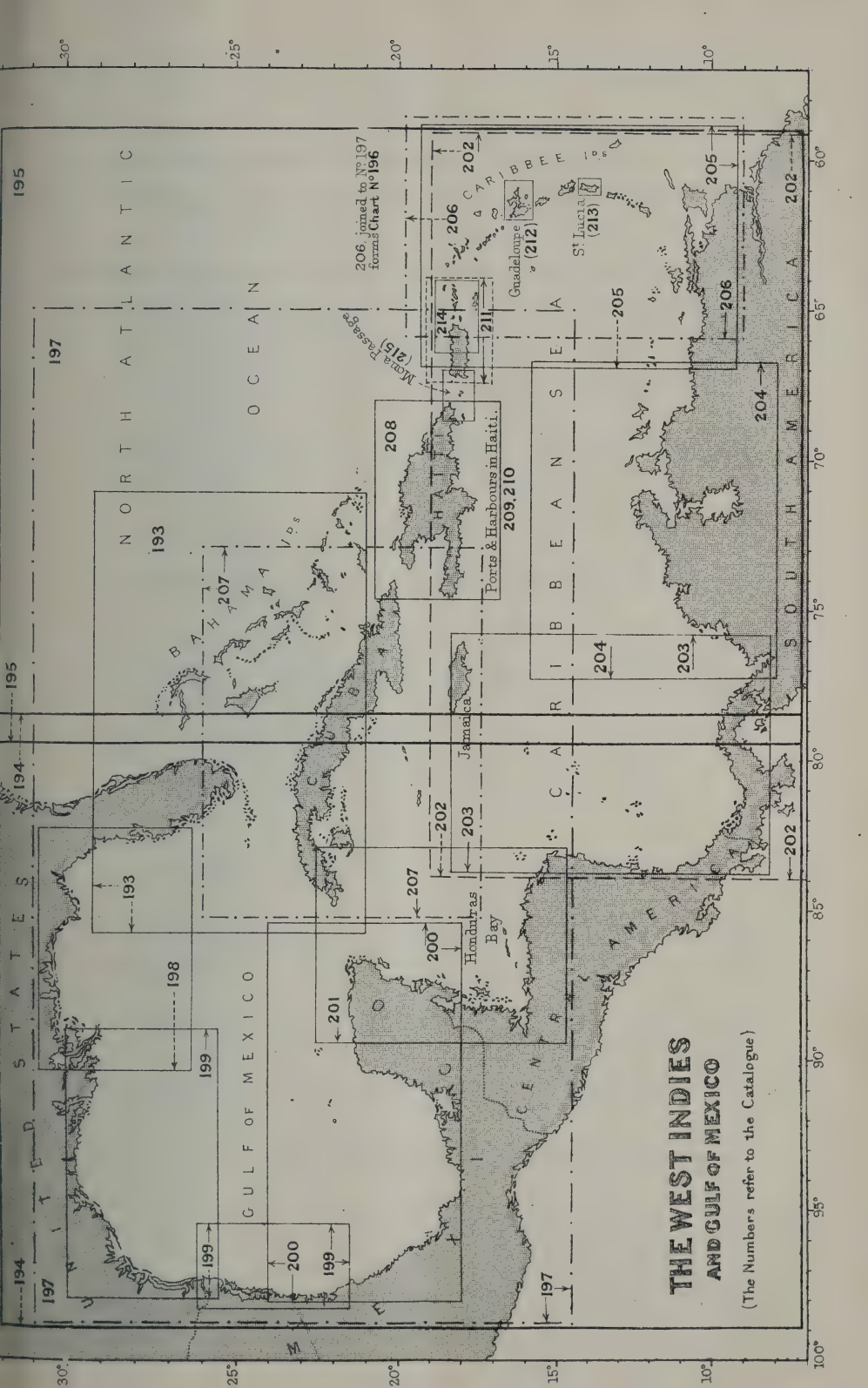
WEST INDIES and COAST of COLUMBIA. With plans, on a large scale, of the principal Harbours contained within its limits. Compiled from recent British, French, American, and Spanish Surveys. On four large sheets. Published in two parts, as follows:—

194. **WEST PART**, Strait of Florida and Gulf of Mexico, &c. Showing all the coast and islands westward of longitude $78^{\circ} 30'$ W. ... 8/-
195. **EAST PART**, Strait of Florida to Panama and the Caribbee Islands. Showing all the coast and islands eastward of longitude $79^{\circ} 35'$ W., and including the coast of Venezuela, &c. ... 8/-
196. **GULF of MEXICO**, and Islands of Cuba, Haiti, and Jamaica, the Caribbees, &c. On four large sheets. Showing the Windward Passages on a large scale. With a Book of Directions ... 18/-
197. **GULF of MEXICO**, and Islands of Cuba, Haiti, and Jamaica, being three sheets of Chart No. 196. With a Book of Directions ... 14/-
- The following (Nos. 198, 199, 200) are Coast Charts of the Gulf of Mexico, on a large scale.
198. **GULF of MEXICO**. Chart No. I. (Tampa Bay to New Orleans). On two large sheets, and containing plans of the Harbours of Apalachicola, St. Andrew, Pensacola, entrance to Mobile Bay, and the Passes of the Mississippi ... 8/-
199. **GULF of MEXICO**. Chart No. II. (New Orleans to Tampico). On three large sheets, and containing plans of the Harbours of Galveston, Atchafalaya Bay, Sabine Pass, Matagorda Bay, Entrance to the Rio Grande, and Tampico ... 10/-
200. **GULF of MEXICO**. Chart No. III. (Tampico to Cape Catoche). With plans of all the Harbours, contained within its limits—Vera Cruz, Miniatitlan, entrance to the Laguna de Terminos, &c., &c. On three large sheets 10/-
201. **BAY OF HONDURAS** (Cape Catoche to Cape Gracias). On two large sheets. With plans of the Approach to Belize, Turneffe cays, Chinchorro Bank anchorages, St. Thomas Bight, Hospital Bight, Port Cortez, Omoa, Coxen Hole (Roatan), East Harbour (Utilla), and Port Royal (Roatan). With a Book of Directions ... 8/-
202. **CARIBBEAN SEA**. Showing the coast of the mainland included between the Caribbee Islands and Cape Gracias. On three large sheets. With plans of the Harbours of Aspinwall, Barcelona, Cumana, Porto Cabello, Santa Anna, Sabanillo, La Guayra, Chagres, &c., &c. Drawn from recent British and Spanish surveys. Accompanied by a Book of Directions... 12/-

N.B. - See also Charts Nos. 203, 204, 205, each of which is in two large sheets. These three Charts comprise the same limits as this Chart.

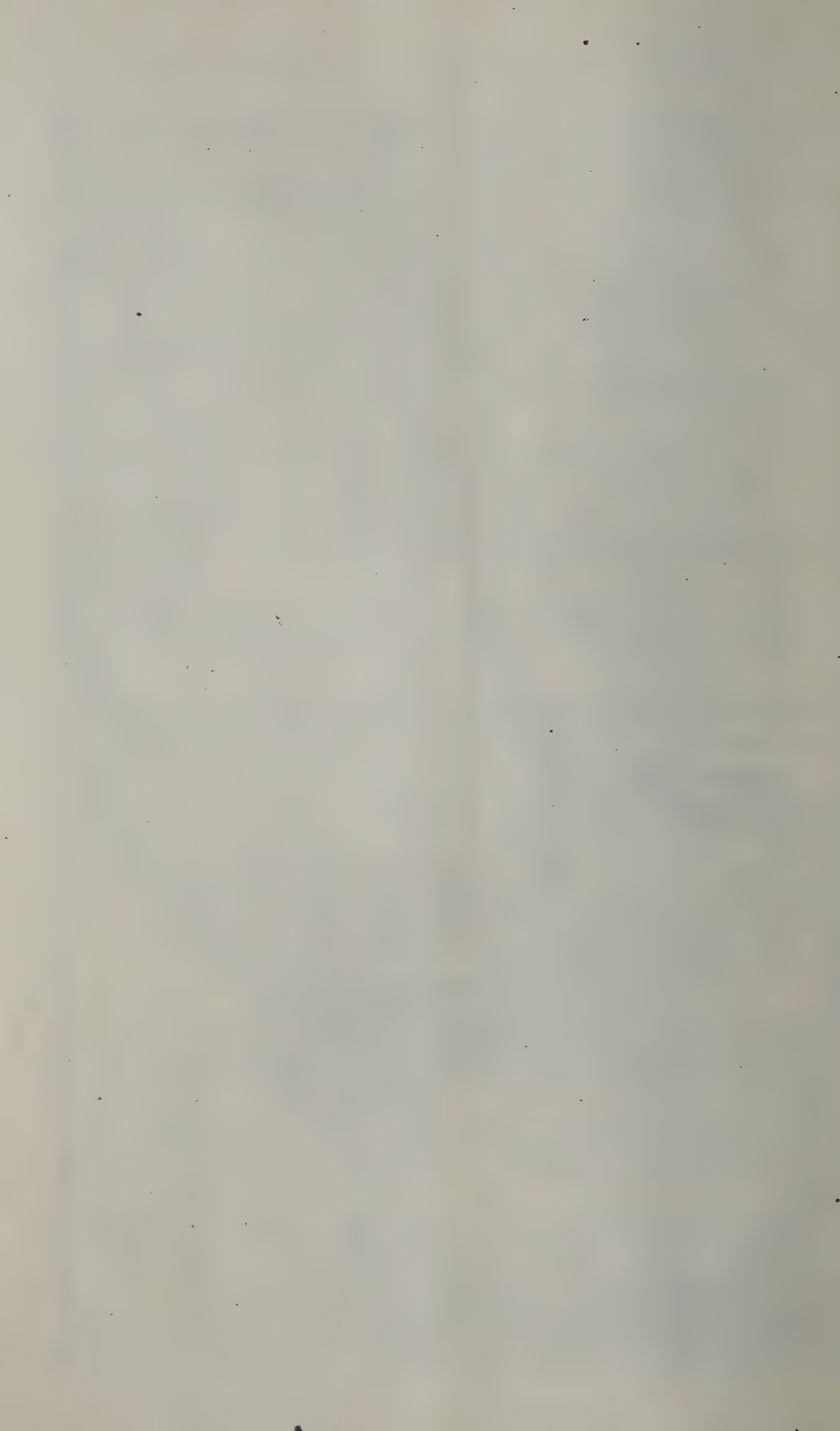
- 203.* **CARIBBEAN SEA—Western Part** (Cape Gracias to the Gulf of Darien and Fuerte Island). On two large sheets, and containing plans of all the principal Harbours. This Chart shows the navigation between Cape Gracias, Jamaica, &c., and Panama. Limits: lat. 8° N. to lat. $18^{\circ} 20'$ N., long. $75^{\circ} 54'$ W. to long. $83^{\circ} 55'$ W. ... 8/-
- 204.* **NORTH COAST of SOUTH AMERICA** (Gulf of Darien to Roques Islands). On two large sheets, and containing plans of all the principal Harbours. Limits: lat. 8° N. to lat. $15^{\circ} 46'$ N., long. $66^{\circ} 52'$ W. to long. $77^{\circ} 20'$ W. ... 8/-
- 205.* **CARIBBEE ISLANDS**. A large Chart on two sheets. Containing plans of the Dragons' Mouths, Serpents' Mouth, Port Spain (Trinidad); Bridgetown, South Point, Kilridge Point (Barbados); Scarborough (Tobago); Basseterre (St. Christopher); Orangetown (St. Eustatius); Port Royal Bay (Martinique); Falmouth and St. John's (Antigua). Accompanied by a Book of Directions ... 10/-

* See Note on page 19, below chart No. 218.



THE WEST INDIES AND GULF OF MEXICO

(The Numbers refer to the Catalogue)



206. **CARIBBEE ISLANDS.** Being one sheet of the Chart No. 196 ... 5/-
207. **CUBA.** On a very large scale, and with plans of all the principal Harbours. Drawn from Spanish surveys. On two large sheets ... 8/-
Charts Nos. 193, and 207, are on the the same scale.
208. **HAITI or SAN DOMINGO.** Compiled from recent surveys ... 5/-
209. **PORTS and HARBOURS in HAITI.** Sheet i. Miragoane Bay; Juan Rabel Anchorage; Samana Bay; Port-au-Prince; Fond la Grange; Port Paix; Salt River and Chouchou bays; Manzanillo Bay; Acul Bay; Petit Goave Bay; Gonaives Bay; St. Mark Bay; Fort Dauphin Bay; St. Nicolas (La Mole) Bay; Tiburon, Jeremie, and San Lorenzo Bays; Port Plata; San Domingo; Tierra-Baja Roadstead; Moustique Bay; and Port à l'Ecu 5/-
210. **PORTS and HARBOURS in HAITI.** Sheet ii. Approaches to Cayes; Anchorage at Cayes; Cayes à l'eau Anchorage; Cape Haiti Harbour; Monte Christi; Cayemites Bay; Port-au-Prince Bay; Jaquemel Harbour; Caldera Bay; Trois Bay; Dame Maria Bay; and Nayassa Island ... 5/-
211. **PUERTO RICO and VIRGIN ISLANDS.** On two large sheets. With plans of Harbours. With a Book Directions ... 8/-
212. **GUADELOUPE.** A Chart of the Island from French surveys. On a large scale. With plans of all the Harbours ... 5/-
213. **ST. LUCIA.** A Chart of the Island of St. Lucia, drawn from French surveys. On a large scale ... 5/-
214. **BERMUDAS, or SOMERS' ISLANDS,** with Plans of the Narrows, and Grassy Bay, Ireland Island; also a general Panoramic View of the Islands. (*Laurie's*) ... 5/-
215. **MONA PASSAGE,** the Channel between the Islands of Puerto Rico and Haïti. On a large scale ... 4/-
Martinique, 3s.; Dominica, 3s.; Grenada, 4s.; Tobago, 3s.; Jamaica Island, 3s., &c.

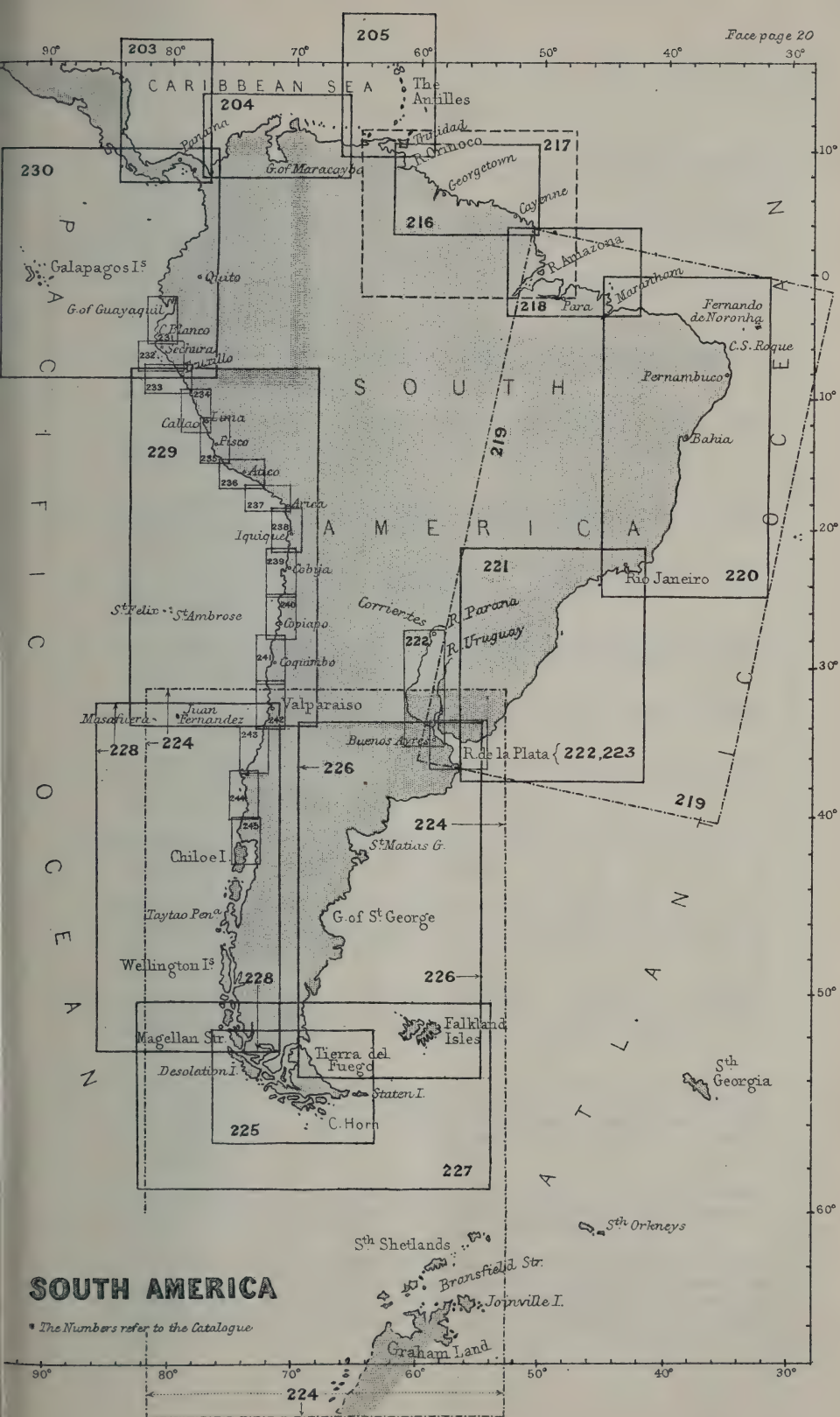
East Coast of South America.

- 216.* **COAST of GUIANA, &c.** (Trinidad to Cape Cachipour.) Showing the various Harbours and rivers of Demerara, Berbice, Cayenne, &c. With plans of Cayenne Approach, River Corentyn, Maroni River, Demerara River, Surinam River, &c. Drawn from recent surveys. On two large sheets 8/-
217. **COAST of GUIANA,** (Trinidad to the River Para), with plans of the entrance to the River Orinoco, Demerara River, Berbice, Surinam, River Maroni, Cayenne, and the River Corentyn. On a smaller scale than the last 4/-
- 218.* **APPROACHES to the RIVERS AMAZONA, PARA, &c.** (Cape Cachipour to Maranhao). With plans of the River Pará and Maranhao. Drawn from recent surveys ... 8/-
- * The five Charts Nos. 203, 204, 205 (see page 18), 216, 218, are on the same scale, and show the navigation along the north coast of Central America, and South America from Cape Gracias and Jamaica to Puerto Rico and Maranhao.
219. **COAST OF BRAZIL and ARGENTINA.**—On three sheets, showing the navigation from Amazona river to Monte Video and Buenos Ayres. With plans of Tutoia anchorage; Maranhao; Ceara; the Rocas reef; shoals off Cape St. Roque; river Pará; Pernambuco; Bahia; Santos; Ilheos anchorage; Cabral and Santa Cruz Bays; Espirito Santo Bay; Cape Frio Harbour; Santa Catharina; Abrolhos Reefs; Rio Grande de Sul; Rio de Janeiro; Monte Video; Paloma Harbour; and the anchorages at Castillo and Polonio, &c. With a Book of Directions ... 12/-

- 220.† **COAST OF BRAZIL** (Maranhao to Cape Frio and Rio Janeiro). On three large sheets. With plans of the most important Harbours. Compiled chiefly from recent surveys made by M. Mouchez of the French Navy, and Don. A Vital de Oliveira of the Brazilian Navy. Illustrated with many Views of the Coast. Accompanied by a Book of Directions 10/-
- 221.† **COAST of BRAZIL** (Cape Frio and Rio Janeiro to the River Plate). On two large sheets. In this Chart are given plans of the most important Harbours, such as Rio Janeiro, Marambaya, Santos, Cananea, Rio Grande, Monte Video, Cape Sta. Maria, &c. Accompanied by a Book of Directions 8/-
- † These two Charts (Nos. 220, 221) comprise the whole of the Coast of Brazil, and are laid down upon the plain scale, not the diagonal.
222. **RIVER PLATE**, on a large scale, extending from Cape Sta. Maria to Monte Video, Barragan, Buenos Ayres, Colonia, &c., with plans of Cape Sta. Maria anchorage, Maldonado, Flores and Lobos Islands, Monte Video, Colonia, Barragan, Buenos Ayres, &c.; also the River Uruguay to Paysandu, and the River Parana to Corrientes. With a Book of Directions ... 10/-
223. **RIVER PLATE**.—Part of the above Chart, from Cape Sta. Maria to Buenos Ayres, &c., without the sheet containing the Rivers Parana and Uruguay. With a Book of Directions 8/-

South and West Coasts of South America.

224. **SOUTH AMERICA (COAST of)**, from Rio de la Plata round Cape Horn to Valparaiso, on three sheets. With plans, on a large scale, of Valdivia Bay, Ancud Bay, Stanley Harbour (Falklands), the Strait of Le Maire, and of Cape Horn, and the Islands in its vicinity. Drawn from the surveys Captains Fitzroy and King, of the Royal Navy. 12/-
- On cloth and rollers for Counting-house coloured and varnished; size 6 ft. 5 in. by 3 ft. 5 in. 35/-
225. **STRAIT OF MAGELLAN**, and **COAST and ISLANDS OF CAPE HORN**. A Chart, on two large sheets, showing the navigation through Magellan Strait and also round Cape Horn. With plans of Harbours 8/-
- 226.* **SOUTH AMERICA** (Chart No. 1). Showing the navigation from Rio de la Plata to Magellan Strait and the Falkland Islands. On three large sheets. With numerous plans of Harbours. Limits: latitudes, 34° S. to 54° S.; longitudes 54° 40' W. to 69° 30' W. 10/-
- 227.* **SOUTH AMERICA** (Chart No. 2), including Magellan Strait, the Falkland Island and Coast round Cape Horn. On three large sheets. With numerous plans of Harbours. Limits: latitudes, 50° 30' S. to 59° S.; longitudes, 56° W. to 82° 20' W. 10/-
- 228.* **SOUTH AMERICA** (Chart No. 3), from Magellan Strait to Valparaiso. On three large sheets. With plans of the Harbours of Valparaiso Concepcion Valdivia, Chaneral, San Carlos, Barbara, Otway, &c. &c. Limits: latitudes, 53° S. to 32° S.; longitudes, 71° W. to 85° 50' W. 10/-
- 229.* **SOUTH AMERICA** (Chart No. 4), from Valparaiso to Truxillo, On three large sheets. With plans of Harbours of Callao, Pisco Bay (Chinca Islands), Ilay, Papudo, Horcon, Quintero, Coquimbo, Atico, Huasco, Ylo, Arica, Valparaiso, &c. &c. Limits: latitudes, 34° S. to 8° S.; longitudes, 68° W. to 82° 50' W. 10/-



SOUTH AMERICA

• The Numbers refer to the Catalogue

- 230.* **SOUTH AMERICA** (Chart No. 5). Showing the navigation between Truxillo and Panama. On two sheets. With plans on a large scale of all the principal Harbours. ... 8/-

* These general Charts (Nos. 226, 227, 228, 229 and 230) show the navigation from the River Plate round Cape Horn to Panama. They are very clearly engraved, and all on the same scale. The following are Special Charts on a large scale, each on one sheet.

231. **St. HELENA POINT to SECHURA BAY**, including the River Guayaquil. With plans of all the Harbours contained within its limits. Limits: latitude $2^{\circ} 10'$ S. to $5^{\circ} 40'$ S. ... 4/-
232. **SECHURA BAY to PAYCASMAYO BAY**. With plans of Lambayeque Road, Port Eten, and the Islands Lobos de Tierra, Lobos de Afuera. Limits: latitude $5^{\circ} 20'$ S. to $7^{\circ} 40'$ S. ... 4/-
233. **PAYCASMAYO BAY to PORT CHIMBOTE**. With plans of the Bays of Paycasmayo, Malabrigo, Huanchaco, and Santa, the Guanape Islands, &c. Limits: latitude $7^{\circ} 20'$ to $9^{\circ} 30'$ S. ... 4/-
234. **PORT CHIMBOTE to CALLAO**. With plans of the Bays of Chimbote, Samanca, Ancon, Supe, Casma, Huacho, Culebras, Chancay, and Guaramey. Limits: latitude $9^{\circ} 10'$ to $12^{\circ} 30'$ S. ... 4/-
235. **CALLAO to PORT SAN NICOLAS**. With plans of Callao, Chinca Islands, Paraca Bay, Port Chilca, the channel within Gallan Island, and Independencia Bay. Limits: latitude $11^{\circ} 50'$ to $15^{\circ} 17'$ S. ... 4/-
236. **PORT SAN NICOLAS to CORNEJO POINT**. With plans of Ports San Nicolas, San Juan, Atico, Lomas, Quilca, and the Anchorage in front of Quilca. Limits: latitude $15^{\circ} 0'$ to $17^{\circ} 0'$ S. ... 4/-
237. **CORNEJO POINT to CAPE LOBOS**. With plans of Ports Mollendo, Ilay, Arica, and Ylo. Limits: latitude $16^{\circ} 40'$ to $19^{\circ} 0'$ S. ... 4/-
238. **CAPE LOBOS to CAPE PAQUICA**. With plans of Chipana. Patillos, Mexillon, and Pisagua Bays; the Anchorages of Pabellon de Pica and Iquique, &c. &c. Limits: latitude $18^{\circ} 30'$ to $22^{\circ} 0'$ S. ... 4/-
239. **CAPE PAQUICA to PORT PAPOSO**, With plans of the Anchorages of Algodon, Cobija, Angamos, Constitucion, Chimba, Antofagasta, and El Cobre. Limits: latitude $21^{\circ} 50'$ to $25^{\circ} 10'$ S. ... 4/-
240. **PORT PAPOSO to HERRADURA BAY**. With plans of Carissals, Taltal, Paposo, Copiapo, Pajonel Cove, Herradura, Chaneral, and Tortorallillo Bays, Caldero, Yngles, Flamenco, and Lavata Bays. Limits: latitude 25° S. to $28^{\circ} 10'$ S. ... 4/-
241. **HERRADURA BAY to RIVER LIMARI**. With plans of Huasco, Coquimbo, and Herradura Bays, Tongoy Bay, Chaneral Island and Bay, Pena Blanca, Choros and Apollillado Bays, Limits: latitude 28° S. to 31° S. ... 4/-
242. **RIVER LIMARI to TORO POINT**. With plans of Valparaiso Bay, Lagunilla Bay, Port Papudo, Quintero Bay, Maytencillo Cove, Pichidanque Bay, Algarrobo Bay, Ligua Roadstead, Conchali Bay, and neighbouring coast, Chigualoco Bay, Port San Antonio, &c. Limits: latitude $30^{\circ} 50'$ S. to $33^{\circ} 49'$ S. ... 4/-
243. **TORO POINT to COLIUMO BAY**. With plans of Llico and Curanipe Roads, Coliumo Bay, Tamana Bay, Topocalma Roadstead, and entrance to Maule river. Limits: latitude $33^{\circ} 43'$ S. to latitude $36^{\circ} 35'$ S. ... 4/-
244. **COLIUMO BAY to RIVER YENELLENCHICO**. With plans of Concepcion Bay, Coronel and Lota Bays, Santa Maria Island, San Vicente Bay, Mocha Island, Port Yanez, Quidico or Nena Port, Queule Bay, river Lebu, River Imperial, and River Tolten, &c. Limits: latitude $36^{\circ} 25'$ S. to latitude $39^{\circ} 11'$ S. ... 4/-

245. **RIVER YENELLENCCHICO to PORT SAN CARLOS.** With plans of Port San Carlos (Ancud), Valdivia, Queule Bay, Tolten River, Lamehuapi Cove, Condor Cove, Muicolpue Cove, San Pedro Bay, Ranu Cove, and Milagro Cove. Limits: latitude $39^{\circ} 0' S.$ to $41^{\circ} 52' S.$... 4/-

* These Charts (No. 231 to No. 245) comprise the coast of South America from the river Guayaquil to Port San Carlos. They are all on the same scale (about $11\frac{1}{2}$ inches to a Degree of Longitude), and from the most recent English, Chilian, and French surveys; each contains plans of the harbours contained within its limits, and Sailing Directions for making the ports.

West Coast of North America.

246. **CENTRAL AMERICA (Panama to San Blas).** On three large sheets. With plans of the Harbours of Sihuatanejo, Acapulco, Guatulco, San Carlos, Realejo, Salinas, Culebra, Punta Arenas, Arenitas, San Blas, &c., &c.; and illustrated with some Views of the coast. Drawn from the most recent surveys ... 12/-
247. **CALIFORNIA (COAST of).—San Blas to San Francisco Bay,** on two large sheets, with plans of the Harbours of Mazatlan, Magdalen Bay, Guaymas, Monterey, San Francisco, &c. Compiled chiefly from the United States Coast Survey, the surveys executed by the naval officers employed by the U.S. Hydrographic Office, and the surveys made by English and French naval officers ... 10/-
248. **OREGON and VANCOUVER ISLAND (COAST of).** On two large sheets. With many plans of Harbours, including St. Juan de Fuca Strait, Port Victoria, Nootka Sound, Port San Juan, Beecher and Pedder Bays, and Esquimault Harbour ... 10/-

Special Charts of San Francisco, 3s.; Vancouver Island, 8s.; Callao, 2s. For British Columbia and Alaska, with routes to the Klondyke District, see page 30.

West Coast of Africa.

249. **GIBRALTAR STRAIT to MOGADOR, etc.** A large Chart on two sheets, showing the navigation from the south coast of Spain to the Ports on the north-west coast of Africa. With plans of Mogador, El Araish (Larache), Dar-el-Beida (Casa Blanca), Mazaghan, Mehediyah, Rabat, Safi and Agadir; also of Cape Spartel. Limits: latitudes $30^{\circ} 0' N.$ and $37^{\circ} 30' N.$; longitudes $5^{\circ} 0' W.$ and $11^{\circ} 50' W.$... 8/-
250. **GIBRALTAR to SIERRA LEONE.** On three large sheets. With plans of Mazaghan, Rabat, and Salé, Mogador, Gorée Bay, Cazamance River, the Anchorage at Iles do Los, the Anchorage at the River Senegal, entrance to the River Gambia, Portendik, Agadir or Santa Cruz, Sierra Leone, and the coast of Sierra Leone. Limits: latitudes $30^{\circ} 0' N.$ and $41^{\circ} 30' N.$, longitudes $5^{\circ} 0' W.$ and $26^{\circ} 0' W.$... 12/-
251. **SIERRA LEONE to the CAPE OF GOOD HOPE.** This Chart is cancelled: in its place Charts 254, 255 and 256 should be ordered. See next page ...

The following Charts, from Gibraltar to the Cape, are strongly recommended, being on a much larger scale than Charts 250 and 251.

252. **GIBRALTAR STRAIT to RIVER OURO, including Madeira and Canary Islands.** With plans of Mogador, El Araish (Larache), Dar-el-Beida (Casa Blanca), Mazaghan, Mehediyah, Rabat, Safi, Agadir, Ouro River, &c., &c. On two large sheets. Limits: latitudes $39^{\circ} N.$ and $23^{\circ} N.$, longitudes $19^{\circ} 30' W.$ and $5^{\circ} 20' W.$... 8/-

253. **RIVER OURO to SIERRA LEONE**, including Cape Verde Islands. With plans of Portendik, Levrier Bay, Senegal Bar, Cape Verde, Dakar Bay, Dakar, Rufisque, Rufisque Anchorages, River Gambia, and Sierra Leone. On two large sheets. Limits: latitudes 24° N. and $6^{\circ} 20'$ N., longitudes $26^{\circ} 10'$ W. and 12° W. ... 8/-
254. **SIERRA LEONE to CAPE LOPEZ**. On three large sheets. With plans of Cape Palmas; the coast in the vicinity of Cape Palmas; Tabou River; Monrovia Bay; Sierra Leone and shoals of St. Ann, Cape Three Points; Axim Bay; Tacorady Bay; Elmina Bay; Chama Bay; Cape Coast Castle; Dix Cove; Gallinas; Clarence Cove; Junk River; Sinou Bay; George Bay; Sangwin River; Cestos Bay; Edina; and Grand Bassa. Limits: latitudes $10^{\circ} 0'$ N. and $3^{\circ} 40'$ S.; longitudes $15^{\circ} 0'$ W. and $10^{\circ} 40'$ E. ... 12/-
255. **CAPE LOPEZ to CAPE FRIO**. A large Chart on two sheets. With plans of Anno Bom Island, the Anchorage at Anno Bom, the mouth of the Congo, Vesuvias Shoal, Black Point Bay, Turtle Cove, Mayumba Bay, Malemba Bay, Kabenda Bay, Loango Bay, St. Paul de Loanda Harbour, Lobito Bay, Equimina Bay, Benguela Bay, St Mary Bay, Elephant Bay, Little Fish Bay, Port Alexander, Mouches Bay, Great Fish Bay, and Quicombo Bay. Limits: latitudes $0^{\circ} 35'$ S. and $18^{\circ} 30'$ S.; longitudes $3^{\circ} 0'$ E. and $17^{\circ} 0'$ E. ... 8/-
256. **CAPE FRIO to the CAPE of GOOD HOPE**. On two large sheets. With plans of Walfisch Bay, Walfisch Bay Settlement, Spencer Bay, Port D'Ilheo, Hottentot Bay, Angra Pequena, Port Nolloth, Hondeklip Bay, Roodewall Bay, McDougall Harbour, Saldanha and St. Helena Bays, Dassen Island and coast in its vicinity, and Table Bay. Limits: latitudes $18^{\circ} 20'$ and $34^{\circ} 45'$ S.; longitudes $6^{\circ} 0'$ E. and $20^{\circ} 0'$ E. ... 8/-

Charts Nos. 252, 253, 254, 255, 256, are on the same scale, one following the other. These five Charts show the whole of the West Coast of Africa from Gibraltar Strait to the Cape of Good Hope on a large scale.

South and East Coasts of Africa.

257. **COAST of CAPE COLONY (Table Bay to Algoa Bay)**. On two large sheets. With plans of Table Bay, Knysna Harbour, Mossel Bay, the coast about Danger Point and Dyer Island, Cape Agulhas, Plettenburg Bay, Great Fish river, False Bay, and Simons Bay. Compiled from recent British surveys. Illustrated with Views of the coast ... 8/-
258. **COAST of CAPE COLONY (Table Bay to Port Natal)**. The same chart as No. 257, but with an additional sheet, showing the coast from Great Fish River to Port Natal. Accompanied by a Book of Directions ... 10/-
This Chart shows the coast of the Cape Colony on a large scale.
259. **SOUTHERN AFRICA**. A Chart on three sheets showing the navigation round the Cape Colony to Delagoa Bay and Mozambique Channel. With plans of Table Bay, the breakwater and Docks at Table Bay, Mossel Bay, Port Natal, Delagoa Bay, Port Nolloth, Hondeklip Bay, Limits: latitude 24° S. to 40° S., longitude 16° E. to 46° E. With a Book of Directions 10/-
260. **MOZAMBIQUE CHANNEL**. A large Chart on two sheets, showing the East Coast of Africa between Delagoa Bay and Zanzibar; also the whole of Madagascar, and the intermediate Islands. With plans on a large scale of Beira approach, Zanzibar Channel, Mozambique Harbour, Latham Island, and several of the most important anchorages in the Comoro Islands. Limits: latitude 27° to $3^{\circ} 20'$ S., longitude $32^{\circ} 30'$ to $51^{\circ} 30'$ E. ... 8/-
261. **ZANZIBAR to the RED SEA**. With plans of the most important Harbours on the coast. Limits: lat. $7^{\circ} 0'$ S. to $17^{\circ} 30'$ N.; long. $38^{\circ} 30'$ to $57^{\circ} 30'$ E. —the Chart consequently includes the Seychelle Islands ... 8/-

Charts Nos. 259, 260, 261, are on the same scale, and follow each other. Shipmasters bound from the Cape of Good Hope to Delagoa Bay, Beira, Mozambique, Zanzibar, or Aden, will find them very useful publications.

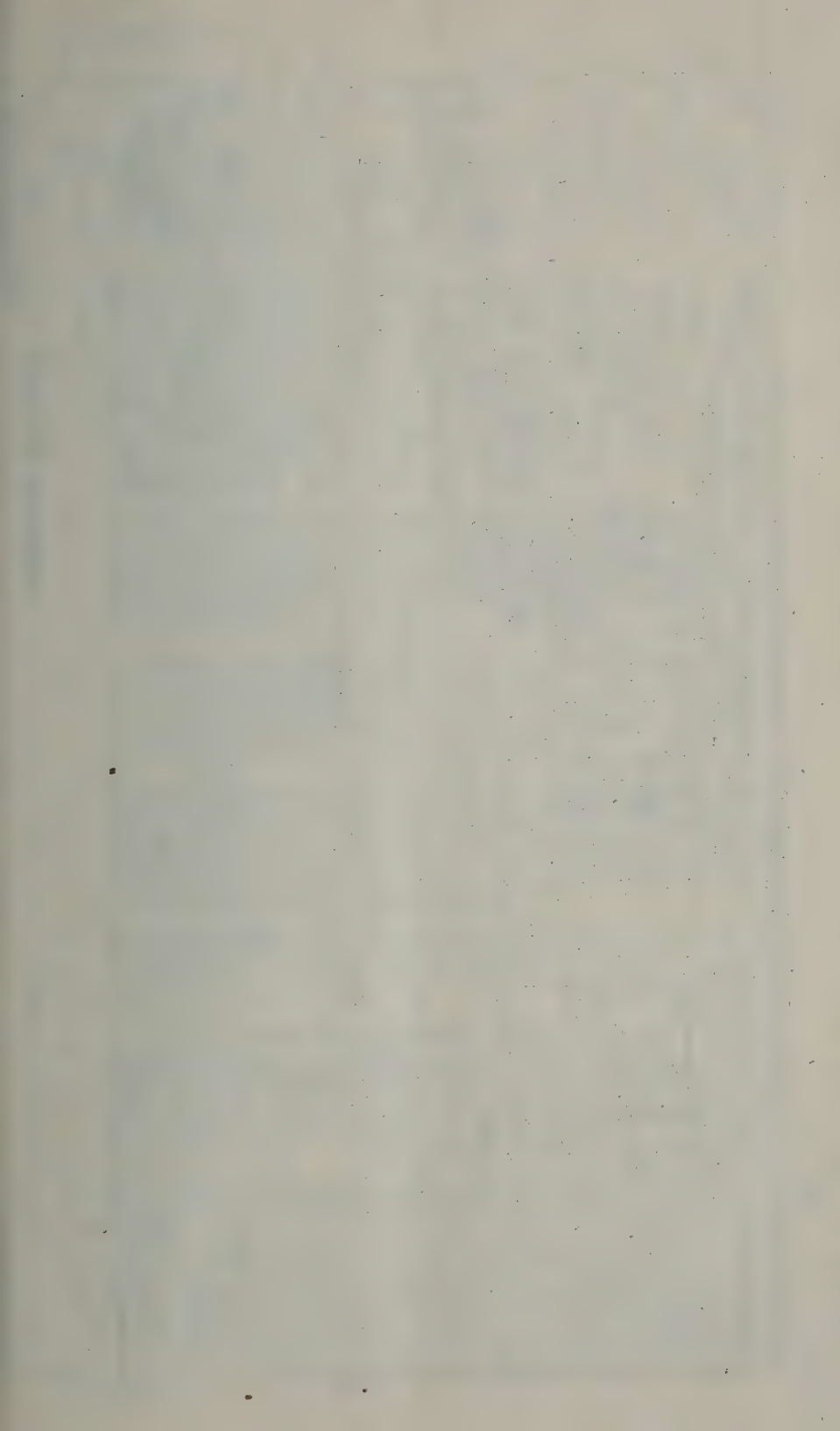
Gulf of Aden and Red Sea.

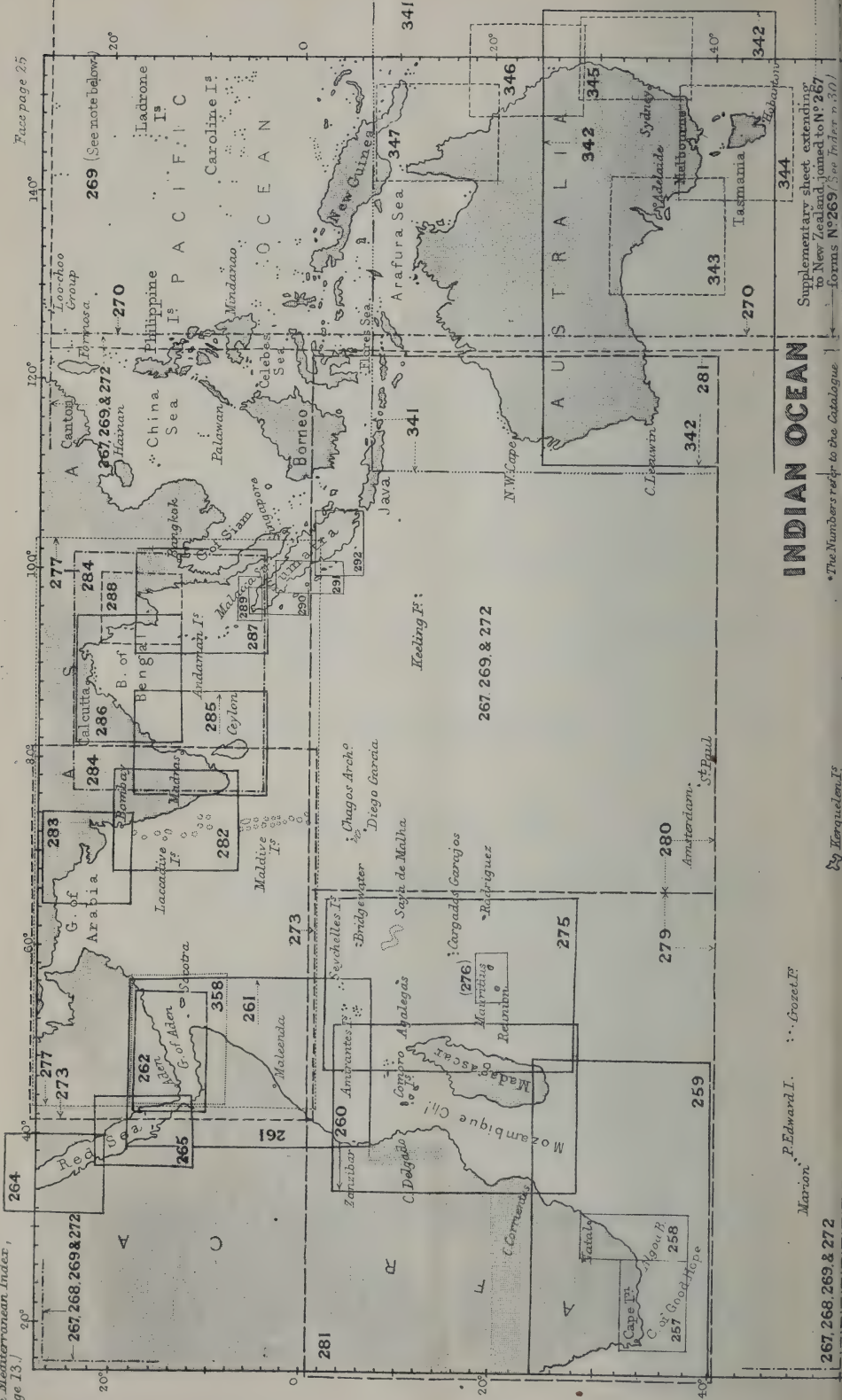
- 262A* **GULF OF ADEN.** Showing the Arabian and African Coasts, between Kuriyan Muriyan Bay and Ras Hafun, to the Straits of Bab-el-Mandeb. With Plans of the principal Anchorages, viz.—Aden and Adjacent Bays, Aden Anchorage, Kuriyan Muriyan Bay and Islands, and the Island of Sokotra 8/-
262. **GULF of ADEN (Socotra Island to the Red Sea).** With a plan of Aden. Illustrated with Views of the land. On a large sheet ... 4/-
263. **RED SEA.** On three sheets, showing the navigation from SUEZ to ADEN. With plans of the Suez Canal and of the principal Ports and Anchorages in the Red Sea ... 12/-
- 264* **RED SEA (North Part).** A large Chart on two sheets. With plans of the Strait of Jubal, Approaches to Jiddah, Suez Bay, Korsair Anchorage, Tor Harbour, &c., &c. With a Book of Directions ... 8/-
- 265* **RED SEA (South Part).** A large chart on two sheets. With plans of Mokha road, Perim Island and Small Strait, Sawakin Harbour, Kamaran Bay, Hodeidah Road, &c., &c. ... 8/-
- * These Charts are on a very large scale. Each contains plans of all the surveyed harbours and anchorages within its limits.
170. **GULF OF SUEZ (North Part, Suez to Ras Gharib Light).** With a large plan of Suez Bay. ... 4/-
- 170a. **GULF OF SUEZ (South Part, Ras Gharib Light to Jubal Strait, &c., as far south as Lat. 27° N).** ... 4/-
- Nos. 170, 170a, represent the northern and most dangerous part of the Red Sea.

266. **STRAITS OF BAB-EL-MANDEB.** Shown on one large sheet—the Great and Little Strait. With a plan of Perim Harbour ... 4/-

Indian Ocean, &c.

267. **INDIAN OCEAN (Cape of Good Hope to Bombay, Madras, Calcutta, and St. George's Sound, Australia).** The limits of the Chart are latitudes 27° N. and 50° S.; longitudes 15° E. and 124° E. On two large sheets. With remarks on the tidal phenomena, currents, winds, &c. ... 8/-
268. **INDIAN OCEAN.** On three large sheets. The same Chart as No. 267, but with an additional sheet (No. 274) containing plans of the principal Islands, the Maldivh, Chagos, Seychelle groups, &c. ... 10/-
On cloth and rollers for Counting-house, coloured and varnished ... 35/-
269. **INDIAN and PACIFIC OCEANS.** The same Chart as No. 267, with the addition of a sheet, to show the coasts of Australia, New Zealand, China, and the Philippine Islands. The limits of the Chart are latitudes 27° N. and 50° S.; longitudes 15° E. and 178° E. With a Book of Directions ... 12/-
On cloth and rollers for Counting-house, coloured and varnished; size 6 ft. 5 in, by 3 ft. 5 in. ... 35/-
270. **INDIAN OCEAN (Supplementary sheet of Chart No. 267).** The additional sheet referred to in chart No. 269. Showing the navigation from Tasmania and New Zealand to the Philippine Islands ... 4/-
271. **INDIAN and PACIFIC OCEANS.** A Chart for the use of shipmasters bound to Australia, who may intend to sail on the arc of the Great Circle. In this Chart the best routes are laid down, and the Great Circle Tracks from the Cape of Good Hope to Australia are also shown. Limits: latitudes 27° N. to 62° S., longitudes 15° E. to 178° E. With a Book of Directions 14/-





INDIAN OCEAN

P. Edward I. Marion

G. G. G. G.

By H. H. H. H.

Supplementary sheet extending to New Zealand, joined to N° 267, forms 269. See Index p. 301.

267 268 269 & 272

272. **INDIAN AND PACIFIC OCEANS.** A Chart showing the navigation eastward of the Cape of Good Hope to Australia and China, or between latitudes 27° N. and 50° S.; longitudes 15° E. and 178° E. With a sheet of plans of the detached groups of islands so profusely scattered over the Indian Ocean. On four large sheets. With a Book of Directions 16/-
273. **ARABIAN SEA.** A large Chart (on two sheets) of the Indian Ocean comprised between the Red Sea, the Gulf of Persia, and the coasts of India and Ceylon. It consequently shows the navigation between Aden, Karachi, Bombay, Colombo, and Point de Galle 8/-
274. **ISLANDS, &c., in the INDIAN OCEAN.** On one sheet. Being the additional sheet referred to in No. 268. The plans are Maldivh, Chagos, Seychelles, and Lakdivh groups of Islands; Comoro Islands; Kerguelen Island; St. Paul Island; Cocos Islands; Mahè in Seychelles; and Christmas Harbour in Kerguelen Island. All are on a very large scale 5/-
275. **ISLANDS EASTWARD OF MADAGASCAR,** Limits: lat. 3° S. to 27° S.; long. 46° to 65° E. With plans of Seychelle Islands, Farquhar Islands, Tromlin Islands, Rodriguez, Port Victoria (Mahè, Seychelles), Tamatave, Foule Point, Fenoarivo (Madagascar). The Chart shows the navigation between the Seychelle Islands, Mauritius, Reunion, Rodriguez, and the east coast of Madagascar 8/-
276. **MAURITIUS AND REUNION.** On two large sheets. With plans of Port Louis; the north-west coast of Mauritius; the north coast of Mauritius; St. Denis; St. Benoit; St. Rose; St. Gilles; St. Pierre; and St. Paul—briefly, all the important Anchorages in each Island. Compiled from recent British and French surveys. With a Book of Directions 8/-
277. **The INDIAN OCEAN, (Northern Part),** from the entrances to the Red Sea and Gulf of Persia to Karachi, Bombay, Ceylon, Madras, Calcutta, Aracan, Rangoon, Andaman and Nicobar Islands, and Part of the Strait of Malacca and Island of Sumatra; with plans of the Bay of Aden, Karachi, Bombay, Colombo, Point de Galle, & Trincomalie Harbours, Chittagong, Port Dalhousie, Rangoon and Moulmain Rivers, and Amherst Road 12/-
278. **ADEN to BOMBAY and MADRAS,** from the entrances to the Red Sea and Gulf of Persia to Karachi, Bombay, Ceylon, Madras, &c.; with plans, on an enlarged scale, of the Bay of Aden, Karachi, Bombay, and Point de Galle Harbour (Part of 277) 8/-
279. **The CAPE OF GOOD HOPE and EAST COAST of AFRICA,** from the latitude of $0^{\circ} 30'$ S. to 40° S. Madagascar, Isle of France, Bourbon or Reunion, &c.; with plans, on an enlarged scale, of the coast of Cape Colony, Table Bay, False Bay, Simon's Bay, Knysna Harbour, and Plettenberg Bay, Algoa Bay and Bird Islands, Waterloo, Bay, Buffalo River, Port Natal, Delagoa Bay, Mozambique Harbour, and Port Louis (Mauritius), &c. 8/-
280. **A CONTINUATION of the ABOVE CAPE CHART to Western Australia, Sunda Strait and the Eastern Passages,** with Tracks for all Seasons 8/-
- Nos. 279 and 280 can be had in one Chart, as follows:—
281. **The SOUTHERN PART of the INDIAN OCEAN from the Cape of Good Hope to Sunda Strait, the Eastern Passages and Western Australia,** with Tracks, &c. 14/-

West Coast of India, Bay of Bengal, and West Coast of Sumatra.

282. **WEST COAST of INDIA** (Cape Comorin to Bombay). On two large sheets. With plans of Bombay, Tudri River, Vingorla Roadstead and rocks, Malwan Bay, Chaul Kadu Reefs, Sedashigur Bay, Chitlac Island, Kiltan Island, St. Mary Islands and rocks, Goa and Marmagao Roadsteads, Raj-puri River, Narakel Anchorage, Kolachel Roadstead, Rajapur Bay and Viziadurg Harbour, Ratnagiri Bay, Alipee Roadstead, Enciam rocks, Cochin Harbour, Calicut Roadstead and Beypore River 8/-

283. **WEST COAST of INDIA** (Bombay to Karachi). On two large sheets. With plans of the Harbours of Bombay and Karachi, and of the coast in the vicinity of Karachi 8/-

284. **BAY of BENGAL**. On two large sheets. With plans of Bassas Reefs, Negapatam, Mullaittivu, Batticaloa Shoals, coast in the vicinity of Madras, Kuttowputtum Shoals, Armoghan Shoal, False Point Shoals, Palmyras Shoals, Santipilly Reef, Balasore Anchorage, Calingapatam, Vizagapatam, Aracan River, Cheduba Strait, Terrible Rocks, Bassein River, and Preparis Island 8/-

This chart may also be had in sheets as follows.

West Sheet of the Bay of Bengal 4/-

East Sheet " " 4/-

285*. **BAY of BENGAL** (West part of,—Chart No. 1). On two large sheets. This Chart shows the coast from Cape Comorin to Cocanada, and includes Ceylon. With plans of Bassas Reefs, Colombo, Point de Galle, Trincomalie, Madras, Pondichéry, Cocanada, Paumben Pass, &c., &c. Limits of Chart, latitudes $4^{\circ} 46'$ to $17^{\circ} 30' N.$; longitudes $76^{\circ} 30'$ to $86^{\circ} 45' E.$... 8/-

286*. **BAY of BENGAL** (North part of,—Chart No. 2). On two large sheets. This Chart comprises the coast between Pulicat and Bassein River. With plans of Akyab, Bassein River, Kyou Phiouk, &c., &c. Limits of Chart, latitudes $13^{\circ} 10'$ to $23^{\circ} N.$; longitudes 82° to $95^{\circ} E.$ 8/-

287*. **BAY of BENGAL** (East Coast of,—Chart No. 3). On two large sheets. This Chart includes the coast between Bassein River and Penang, the Andamans, Nicobars, north coast of Sumatra, &c. With plans of the principal Harbours. Limits of Chart, latitudes $4^{\circ} 46'$ to $17^{\circ} 30' N.$; longitudes 91° to $101^{\circ} 20' E.$ 8/-

* These three charts (Nos. 285 286 and 287 include the whole of the Bay of Bengal and are on a larger scale than any hitherto published. They form an invaluable series of charts for the use of Traders in the Bay.

288. **RICE PORTS of INDIA**. A Chart, on two large sheets, of the east coast of the Bay of Bengal, between latitudes 13° and $21^{\circ} N.$, longitudes 92° and $98^{\circ} E.$ With plans of Akyab, Kyou Phiouk, Bassein River, Rangoon River, Maulmain, and Kalegouk Island Anchorage. A very useful Chart for ship-masters bound to Akyab, Rangoon, or Maulmain 8/-

The following Charts (Nos. 289, 290, 291, 292) exhibit the north and west coasts of Sumatra on a large scale.

289. **SUMATRA** (Chart No. I,—Diamond Point to Acheen Head). With plans of Acheen Bay and the Islands westward of Acheen Head, Rots Bay (Nassie Island), and Lembalei Bay (Bras Island). This Chart shows the navigation from Malacca Strait into the Bay of Bengal along the northern coast of Sumatra 4/-

INDIAN ARCHIPELAGO

• The Numbers refer to the Catalogue.



See also "Index to Murray & Son's
Straits Charts of the Indian
Archipelago" Page 28.

290. **SUMATRA** (Chart No. II.—Acheen Head to Singkel). With plans of Acheen Bay and channels, Riouw Bay, Kloewang Bay, Rajah Strait, Anala-boe, Patih channel, Rigas Bay, Kaloempang Bay, Laboean-Hadjie, Tampat-toean Bay, Troemon Roadstead, Koeala-batoe and Soesoe Bays, Moekie Bay, and Singkel. ... 4/-
291. **SUMATRA** (Chart No. III.—Singkel to Moko Moko). With plans of Baroes, Tapanuli Bay, Taboejong, Natal, Ayer Banjies, Tiko, Priaman, and Padang ... 4/-
292. **SUMATRA** (Chart No. IV.—Moko Moko to Sunda Strait). With plans of Benkoelen Roadstead, Sambat Bay, Pisang and Kroee Bays, Tinnambang Bay, Engano Bay, &c., &c. ... 4/-

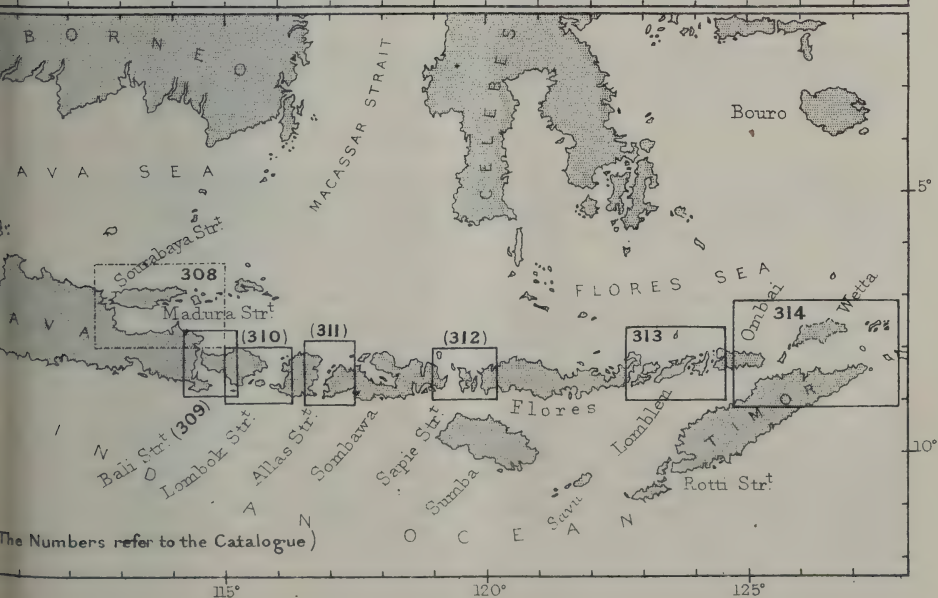
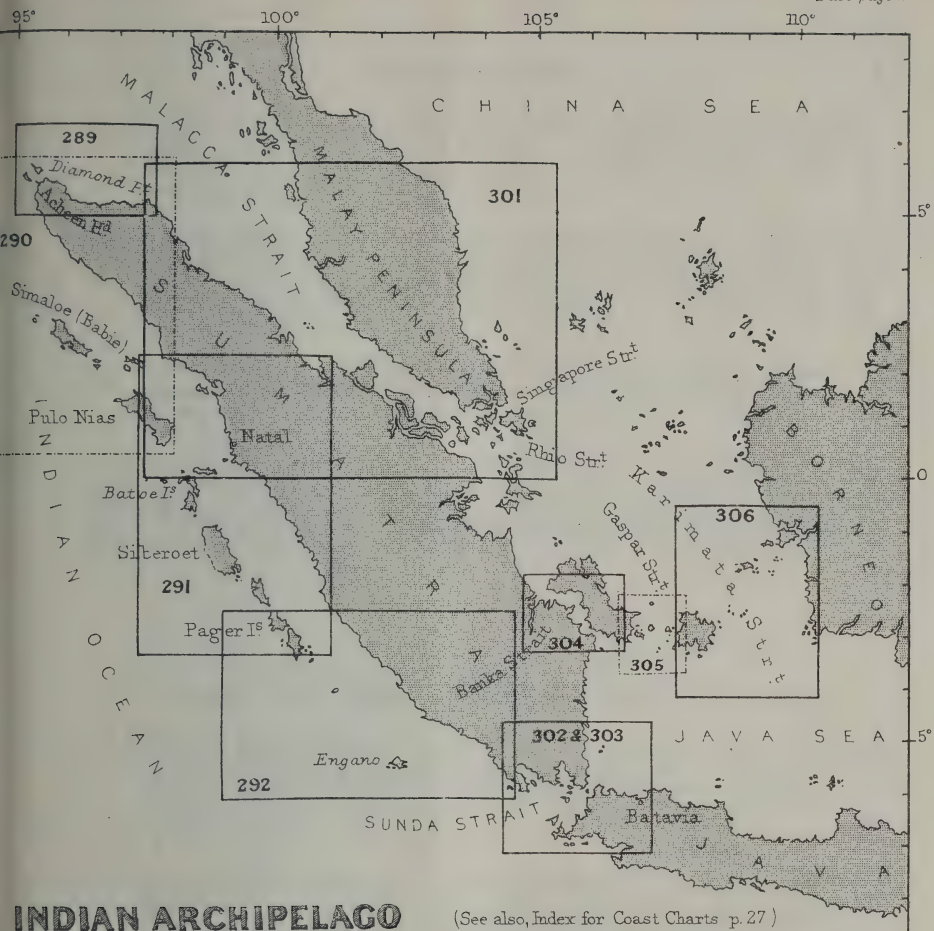
East India Archipelago.

293. **CHINA SEA, SOUTHERN PART**, extending from 5° N. to 15° S., lat.; and from 102° to 145° E. long.; including the navigation of Singapore, the Sunda, and Java Seas, the Celebes and Eastern Passages, to Torres Strait; on three large sheets ... 12/-
294. **CHINA SEA, NORTHERN PART**, extending from 5° to 25° N. lat.; and from 99° to 142° 20' E. Long.; including the navigation from the Gulf of Siam to Canton, the Philippine Islands, Sulu Sea, &c.; with plans of Manila Bay and Saigon... 12/-
- 295.* **EAST INDIA ARCHIPELAGO** (Western Route to China.—Chart No. 1). Limits, latitudes 2° 50' and 7° 10' S., and longitudes 105° 30' and 110° 50' E. ... 7/6
- 296.* **EAST INDIA ARCHIPELAGO** (Western Route to China,—Chart No. 2). Its limits are, latitudes 3° 0' S., and 5° 40' N., and longitudes 103° 20', and 110° 20' E. ... 7/6
- 297.* **EAST INDIA ARCHIPELAGO** (Western Route to China,—Chart No. 3). Limits, latitudes 3° N. to 16° 20' N., and longitudes 99° 20' to 110° E. 7/6
- 298.* **EAST INDIA ARCHIPELAGO** (Western Route to China,—Chart No. 4). Limits, latitudes 1° 20' to 11° 52' N., and longitudes 107° 20' to 120° 40' E. ...
- 299.* **EAST INDIA ARCHIPELAGO** (Western Route to China,—Chart No. 5). Limits, latitudes 10° 50' and 23° 40' N., and longitudes 104° 45', and 115° 20' E. ... 7/6
- 300.* **EAST INDIA ARCHIPELAGO** (Western Route to China,—Chart No. 6). Limits, latitudes 10° 50' and 26° 40' N., and longitudes 112° 10', and 122° 45' E. ... 10/-

* These Charts (Nos. 295 to 300), of what is popularly known as the Western Route to China, exhibit the navigation from Sunda Strait to the Coast of China on a very large scale. Each consists of two sheets, with the exception of No. 6, which consists of 2½ sheets; the set, therefore, comprises 12½ sheets. They have been compiled from recent British, French, Dutch, and Spanish surveys. In several of the Charts there are notes descriptive of the currents, winds, &c., and remarks upon the courses most advisable to follow at certain periods of the year.

301. **STRAITS of MALACCA and SINGAPORE**. On two large sheets. With plans of Singapore Strait, Singapore Harbour, Penang Island, Strait of Durian &c. Drawn from recent British surveys ... 8/-
302. **STRAIT of SUNDA and BATAVIA BAY**. On 1½ sheets. With numerous plans of Harbours ... 5/-

303. **STRAIT of SUNDA.** On two sheets. This Chart is on the largest scale yet published. It contains plans of nearly all the Harbours contained within its limits, and Sailing Directions for the Strait. Compiled from recent surveys ... 6/-
304. **BANKA STRAIT.** A large Chart on two sheets. With plans of Lucipara channel, Nangka Islands and Anchorage, and Mintok Roadstead ... 6/-
305. **GASPAR STRAIT.** On two large sheets. It contains the bearings of all the principal outlying reefs from the most conspicuous objects in their vicinity, and Sailing Directions for passing through the various channels ... 6/-
306. **KARIMATA STRAIT.** A large Chart on two sheets. From recent Dutch surveys ... 6/-
307. **JAVA, LOMBOK, SUMBAYA, and CELEBES.** Showing the navigation between Sunda, Banka, Gaspar, and Karimata Straits, and Makassar at the south-west end of Celebes. Being the same Chart as No. 315, but with an additional sheet to include Sunda and Banka Straits. With plans of Sourabaya Strait, Bali Strait, Macassar, &c., &c. On three large sheets 12/-
308. Madura, Sourabaya, and Sapoeidie Straits ... 4/-
309. Strait of Bali ... 4/-
310. Strait of Lombok ... 4/-
311. Strait of Allas ... 4/-
312. Straits between Sombawa and Flores ... 4/-
313. Straits between Flores and Ombai ... 4/-
314. Ombai and Wetta Straits ... 4/-
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- 315.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 1). This Chart with No. 295 (the Western Route to China, Chart No. 1) exhibits the navigation of the Indian Archipelago eastward of Sunda Strait, so far as Makassar Strait. Its limits are latitudes $2^{\circ} 30'$ and $12^{\circ} 20'$ S., and longitudes $110^{\circ} 10'$ and $122^{\circ} 20'$ E. ... 7/6
- 316.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 2), showing the Banda Sea and Great Island of Timor, Pitts Passage, &c. Limits, latitudes $2^{\circ} 30'$ and $12^{\circ} 20'$ S., and longitudes $121^{\circ} 30'$ and $133^{\circ} 40'$ E. ... 7/6
- 317.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 3), showing the Arafura Sea, Torres Strait, &c. Limits, latitudes $2^{\circ} 30'$ and $12^{\circ} 20'$ S., and longitudes 133° and $145^{\circ} 15'$ E. ... 7/6
- 318.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 4). This Chart shows the sea northward of Chart No. 1, and includes Makassar Strait, Celebes Sea, &c. Limits, latitudes $3^{\circ} 20'$ S. and $8^{\circ} 40'$ N., and longitudes $116^{\circ} 10'$ and $125^{\circ} 50'$ E. ... 7/6
- 319.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 5), showing the Molucca Islands and south part of the Philippines. Limits, latitudes $3^{\circ} 20'$ S. and $8^{\circ} 40'$ N., and longitudes 125° and $134^{\circ} 40'$ E. ... 7/6
- 320.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 6), showing the greater part of the Philippines, the Sulu Sea, &c. Limits, latitudes 8° and $17^{\circ} 40'$ N., and longitudes $118^{\circ} 20'$ and $130^{\circ} 20'$ E. ... 7/6



- 321.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 7), showing Formosa, the Majico-sima Islands, &c., also the northern part of the Philippines. Limits, latitudes $16^{\circ} 30'$ and $25^{\circ} 40'$ N., and longitudes $118^{\circ} 20'$ and $130^{\circ} 20'$ E. 7/6
- 322.* **EAST INDIA ARCHIPELAGO** (Eastern Passages to China and Japan,—Chart No. 8), showing the coast of China from Formosa Island to the Gulf of Pe-chi-li and the western islands of Japan. Illustrated with numerous Views of the coast. Limits, latitudes 25° and 41° N., longitudes $117^{\circ} 30'$ and $132^{\circ} 40'$ E. 7/6
- 323*. **EAST INDIA ARCHIPELAGO** Eastern Passages to China and Japan,—Chart No. 9), showing the Islands of Japan. With numerous plans of Harbours. Limits, latitudes 32° and $43^{\circ} 54'$ N., longitudes 127° and 146° E. 7/6

* These Charts of the eastern portion of the East India Archipelago and the Eastern and Yellow Seas show the various islands and passages on a large scale. Each consists of two sheets (double elephant size), so that the whole series is composed of eighteen sheets. They have been compiled from recent English, Dutch, French, and Spanish surveys, and no expense has been spared to make them accurate Charts of these seas. Shipmasters proceeding to Eastern Australia from China and Japan should take, in addition to these Charts, those of the Western Pacific Ocean, Nos. 334, 335, 386, 387.

Coast of Asia, China, and Japan.

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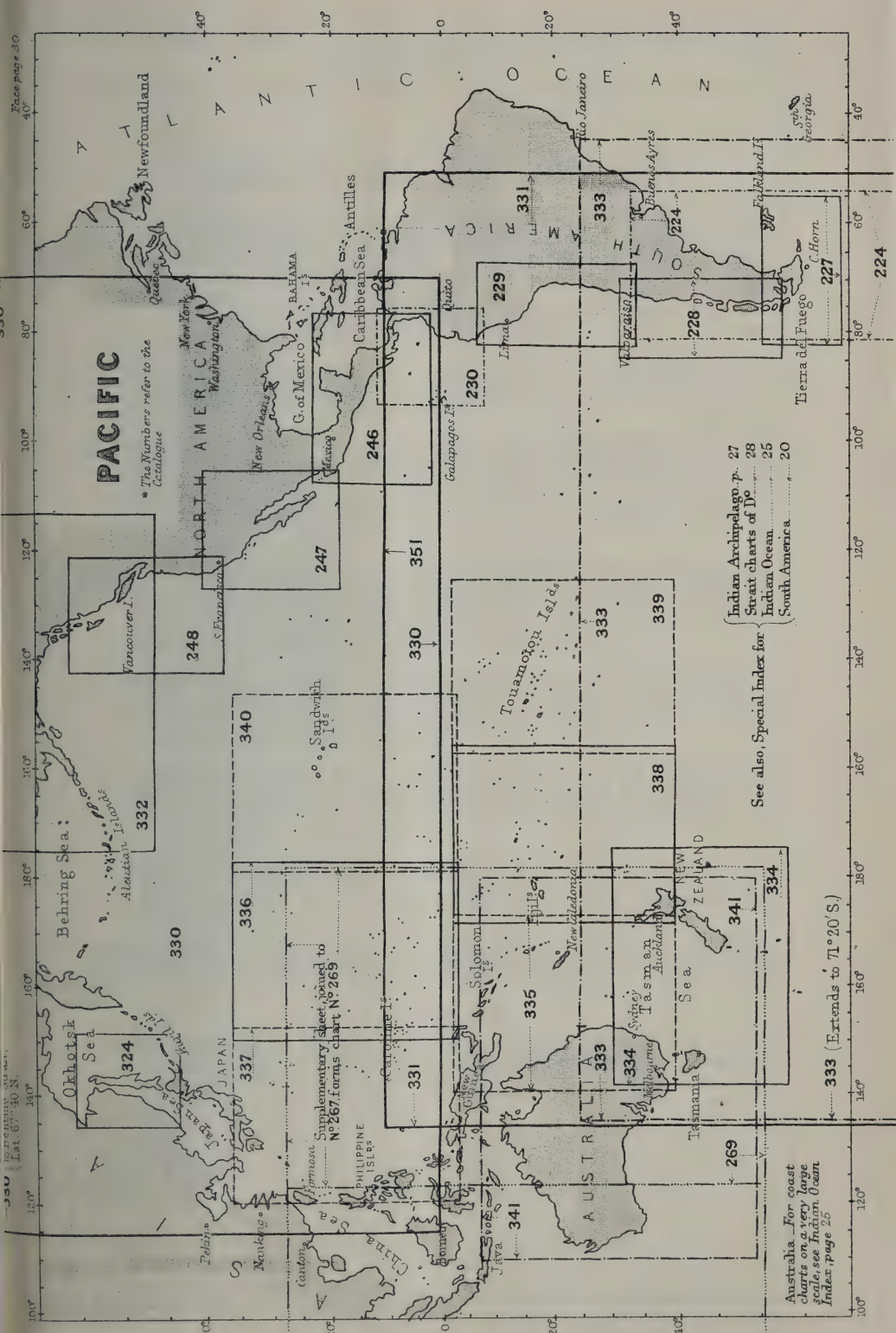
* These two charts are on the same scale.

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PACIFIC

* The Numbers refer to the Catalogue

(Indian Archipelago p. 27
Straits charts of D^o 28
Indian Ocean 25
South America 20)

See also, Special Index for

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333 (Extends to 71° 20' S.)

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Ships' Stationery, &c.

All kinds of Ships' stationery are kept in Stock and Supplied on the most advantageous terms. The following comprise the description chiefly in demand :—

Advance Notes. Allotment Notes.

Account of Wages.

Agreement, Coasting. Agreement, Foreign.

Coasting Articles.

Certificate of Discharge.

Disbursement and Portage Sheets.

Half-yearly Returns, &c. &c.

In ordering any of the above forms, the following official list will be useful :—

BOARD OF TRADE & MERCANTILE MARINE FORMS.

Eng. 1. Agreement for 20 men	S. 8. Sea Fishing—Agreement for one
" " 40 "	voyage, original
" " 80 "	S. 8a. " " " copy
" " 120 "	S. 9. " " " original (28 men)
" " 180 "	S. 9. " " " original (56 men)
" " 240 "	S. 9a. " " " copy
Eng. 2. Account of Changes in Crew	A. 3. Agreement for Pleasure Yachts
Eng. 3. Special Agreement (Home Trade)	—20 men
Eng. 5. Time Agreement—12 pages	60 "
Eng. 5. " " 24 "	A. 3 " " " Account of Crew, Foreign Ship
Eng. 6. Agreement for 36 men, half-yearly (with log)	C. " " " Home Trade
Eng. 6. " " 40 men, half-yearly	(see D. and O. 7).
Eng. 6. " " 76 men, half-yearly (with log)	E. Certificate of Discharge at a distance from Port
Eng. 6. " " 80 men, half-yearly	F. 1. Seaman's Account of Wages and Deductions per book of 10
Eng. 6. " " 300 men, half-yearly. Home Trade Agreement, Special	F. 1. Seaman's Account of Wages and Deductions per book of 20
I. Indentures—Ordinary (paper)	L.* Allotment Note per book of 100
I. 1. " Scotland (paper)	U. Crew's Copy of Agreement
S. 5. " Fishing (paper)	U. 1. " " Ordinary (linen)
S. 6. Sea Fishing—Agreement with a boy under 16...	Scotland (linen)
I. 8. Indentures—Ordinary (paper)	Fishing (parchment)
I. 9. " Scotland (paper)	(paper)
O. 3. Official Log Book—24 pages	Ordinary (linen)
O. 4. " " 44 "	Scotland (linen)
O. 6. " " 44 "	
D. & O. 7. " " and Account of Crew, Home Trade	
O. 8. " " " " " " "	
S. 21. (Fishing), Hints to Young Boiler Attendants	
S. 2. Settling Account of Fishing Expedition	

Official Publications,—Admiralty, Meteorological, Board of Trade, Acts of Parliament, &c., &c., obtained to order.

Megaphones.

Fitted with brass nickel-plated mouthpiece Rim and Handle. Nos. 3 and 5 have ring for hanging.

No. 1	15 inches	7/- each
" 1½	22 "	10/- "
" 2	30 "	12/- "
" 2½	34 "	15/- "
" 3	40 "	17/6 "
" 5	48 "	25/- "

ALUMINIUM MEGAPHONES.

With handsome satin finish and fitted with Aluminium mouthpiece Rim and Handle; No. 1 a, 11 inches, 12/6 each; No 2½, 34 inches 33/6 each.

WRITING BLOCKS.

Thick or thin paper, Printed	1/- each.
" " " Plain	1/- each.

LOG SLATES

Size of Slate 11 in. x 7 in., 3/-; 12 x 8, 3/6; 13 x 9, 4/-.



TIN JAPANNED CHART CASES, &c.

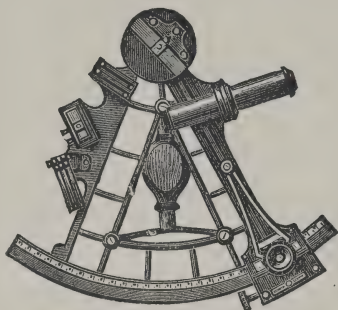
30 ins. in depth, 2½ ins. in diameter, 4/6	42 ins. in depth, 6 ins. in diameter, 10/-
30 " " 3½ " " 5/6	52 " " 6 " " 12/-
30 " " 5 " " 8/6	52 " " 7 " " 14/-
36 " " 3½ " " 6/6	52 " " 9 " " 17/6
42 " " 3½ " " 8/-	

Tin japanned Certificate Cases	...	...	...	...	...	1/6 and 2/-
" Ship's Papers Cases	...	...	...	...	...	2/6 and 4/6

Strong Chart portfolio, with leather back and straps, for containing charts in sheets with Index and lettering piece on side 25/-

NAUTICAL, MATHEMATICAL,
METEOROLOGICAL INSTRUMENTS,

&c. &c.



"NORIE & WILSON" SEXTANTS AND QUADRANTS.

The Best Sextants and Quadrants only are branded

"NORIE & WILSON, LONDON,"

And every care is taken to maintain the reputation these Instruments have gained for so many years.

Lessons given in the Use of the Sextant to Yachtsmen and Travellers.

Flat-Faced Sextant, bronzed, divided on Silver to 10 sec., with Telescopes, &c., packed in strong case, complete	£5 10/-
3-Circle Sextant, bronzed, divided on Silver to 10 sec., packed in strong case, with Telescopes, &c., complete	£6 6/-
Triangular Pattern Edge Bar Sextant, bronzed, with three Telescopes, Reflector, &c., complete, divided on Silver to 10 sec., packed in best lined case, with name plate	£8 8/-

BEST TRIANGULAR EDGE BAR SEXTANT, improved Bridge to handle, Neutral Tinted Shades, Star and extra power Telescopes, with all modern improvements, divided on Silver to 10 secs., in best lined case, flush handle and name plate, with the Class A Kew Certificate£10 10/-
Ditto ditto Very superior, with Platina Arc and Gold Vernier.....£18 18/-

Copy of Certificate.

The KEW OBSERVATORY, RICHMOND, SURREY.

Class A.

The Sextant, 2249, of 7 inches radius, by NORIE & WILSON, London, divided on Silver, and reading to 10", has been examined at the Kew Observatory. The Shades and Mirrors are found good. The Telescopes are also satisfactory, and the powers are for the inverting 18 and 6 linear and the erect 8 linear. The following are the mean corrections to the Arc (in addition to the index corrections)

At	15°	30°	45°	60°	75°	90°	105°	120°
Corr.	0' 0"	0' 0"	0' 0"	0' 0"	0' 0"	+ 0' 10"	+ 0' 10"	+ 0' 20"

+ means Additive, and — means Subtractive.

R. T. GLAZEBROOK, D.C.S., F.R.S., Superintendent.

Pillar Sextant, with Swing Reflector, best Neutral-tinted Shades, Star and extra power Telescopes, &c., in best lined case, with Platina Arc and Gold Vernier with class A Kew certificate£18 18/-

Yachting, Cadet, or Traveller's Sextant, 4½ inch, very small, neat, and complete Instrument, divided on Silver to 10 sec., with Telescopes, complete, in best case£6 6/-

TO TRAVELLERS.—This Sextant, fitted with an Artificial Horizon in the lid of the Case, forms a compact and useful little Instrument, price from £7 7/-

Improved Star Telescopes for Sextants, 10/- each.

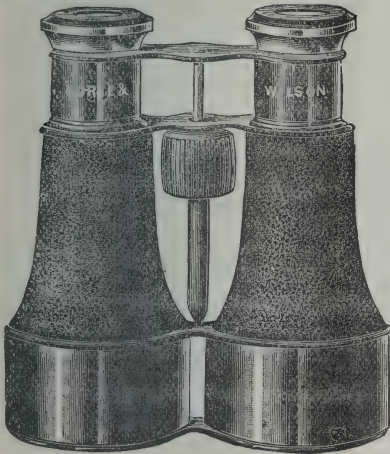
Binocular Star Telescopes, fitted to Sextants, 25/- each.

QUADRANTS AND HALF-SEXTANTS.

Metal Quadrant, with Ivory Arc, Tangent Screw to Index, in strong case	£3 10/-
Metal Handle-Quadrant, 2 Telescopes, divided on Ivory, in strong case	£3 10/-
Half-Sextant, with Telescopes, &c., complete. Swing Arm and Magnifier, divided on Silver to 15 sec., in strong case	£4 10/-

"NORIE & WILSON" BINOCULAR GLASSES.

These celebrated 63/- and 50/- Glasses have the name "NORIE & WILSON, LONDON," embossed on each eye-piece; they have strong Leather Cases and Straps, are the best Glasses that can be made, and are always highly spoken of by Captains, Officers, Pilots, and Yachtsmen.



Marine Binocular Glass

With LARGE EYE PIECES and finest Lenses of greatest power, covered with Morocco Leather in Sling Leather Case, £3 3s.

With Eye Pieces and Sunshades, £3 10s.

With LARGE EYE PIECES, fitted with finest lenses, covered in Morocco Leather in Sling Leather Case. A strong, useful Glass, £2 10s. With Eye Pieces and Sunshades, £2 15s.

N.B.—Glasses can be had with or without Bending Bar.

SPECIAL GLASS FOR LONG DISTANCES, with Double Draw, both draws twist out, especially adapted for Long Distances at Sea, strongly made, and fitted with best Lenses of the greatest power, and large Object Glass, and covered with Morocco Leather, in Best Sling Leather Case, £4 4s.

BEST MARINE BINOCULAR GLASS, WITH KEW CERTIFICATE.

Messrs. NORIE & WILSON are now making a specialité of this Glass. It is of highest quality, with achromatic lenses of good power, large field, and perfect definition.

PRICES. Complete in best Sling Cases, Black or Brown Leather.

Black japanned, covered in Russia Leather, with 6 lenses.....	3	15	0
The same pattern Glass, fitted with 12 lenses.....	4	15	0
The same pattern Glass, made in Aluminium, and covered in Russia Leather	7	10	0

Copy of Certificate.

The Binocular Glass, No. 1149, by NORIE & WILSON, London, has been examined at the Kew Observatory and found to possess a magnifying power of 4 linear, with clear definition and absence of colour. The diameter of object glass, as mounted in cell, is 2.1 inches, and the angular extent of field of view = $4\frac{1}{2}$ degrees.

Kew Observatory, Richmond, Surrey. R. T. GLAZEBROOK, D.C.S., F.R.S., Supt.

BEST MARINE TELESCOPES.

		£	s.	d.
Day and Night, Straight Body Telescope, 2 inch object glass	...	2	5	0
Do. do. 2½ inch object glass	...	3	3	0
Navy Pattern, Taper Telescope, 2½ inch object glass	...	3	10	0
Do. do. 2½ inch object glass	...	4	10	0
Do. do. in German Silver 2½ inch object glass	...	5	10	0
Naval Cadet Telescope, latest pattern, German Silver	...	2	10	0
New Pattern Telescope, Taper Body, 1½ in. object glass	...	4	10	0
tube increasing power in clear weather, German Silver	...	6	0	0
Do. do. with 2½ inch object glass, German Silver	...	6	0	0

THE CARL ZEISS STEREOSCOPIC BINOCULAR GLASS.

Each eye-piece focussed separately to compensate differences in refractive state of eyes

Magnifying 8 times	£8	(Recommended for all ordinary purposes).
Magnifying 5 or 7½ times	£10	(Night Marine).
Magnifying 10 or 12 times	£11	(Day Marine).
Magnifying 5 and 10 times	£13 15s.	(New Combined Night and Day Marine Glass).

The prices include Case and Sling.

PARALLEL RULES, MATHEMATICAL INSTRUMENTS, &c.

CAPTAIN FIELD'S IMPROVED PARALLEL RULE, with Graduated Compass to Points and Degrees.

Price of Boxwood Rule, with Instructions, 15 inch, 8/-; 18 inch 11/-; 21 inch 15/-
24 inch 17/6
German Silver, 15 inch, in Mahogany Case, 42/-; 18 inch, 50/-.



FIELD'S ROLLING PARALLEL RULE, in wood, 15 inches long, ditto, 16/-
18 inches, 18/6; ditto, 21 inches 21/-

The SAME RULE, made of German Silver and fitted in Mahogany Case, 15 inches long, 42/-; ditto, 18 inches 45/-

CAPTAIN TOYNBEE'S REVOLVING PARALLEL RULE, for ascertaining at the same moment, True Magnetic Courses or Bearings from any part of the Chart, 25/-.

Patent Chart Course Indicator, 30/-.

EBONY PARALLEL RULES, 12 inch, 2/6; 15 inch, 3/-; 18 inch, 3/6; 21 inch 5/-

DIVIDERS, steel joints, from 1/- and 1/6 each; or with needle points from 2/6 each.
Single-Handed Dividers, Brass, 4/-; German Silver, 5/6.

Dividers with shifting leg, and pen and pencil points, from 3/6.

Dividers, &c., for the pocket, German Silver, points turn in, 12/6.

Gunter's Scales, 2/6; German Silver Protractors, 7/6; Brass, 6/-; Horn, from 1/-, &c.

SNOWDON'S IMPROVED PROTRACTOR, divided into four quadrants, on one being given the sines and co-sines, on the second the tangents and co-tangents, on the third the secants and co-secants and the fourth the versed sines and co-versed sines of the angles.

The (8 in.) Instruments are supplied in Metal at 31/6, in Transparent Celluloid at 7/6, and in strong Glazed Cardboard at 3/- each.

Cases of Mathematical Instruments, with Scales complete, in Mahogany, and Rosewood Cases, from 10/6, 12/6, 16/-, 25/- &c., to £5 5/-.

The STATION POINTER, as used in our Merchant Steamers and Surveying Vessels, has $4\frac{1}{2}$ inch Circle, divided to $\frac{1}{2}$ degrees, can be read to $\frac{1}{4}$ degrees, with clamp screw and 12 inch arms; in Mahogany case, £4 4/-; or with lengthening bar to extend to 21 inches, £4 10/- 6 inch circle Silver arc £7 10/- 8 inch circle Silver arc £8 10/-

The IMPROVED DOUBLE-SEXTANT, a most handy Instrument for use with the station pointer for Shore Observation and surveying. Complete in case 5 inch £5 10/- 6 inch £6 10/-

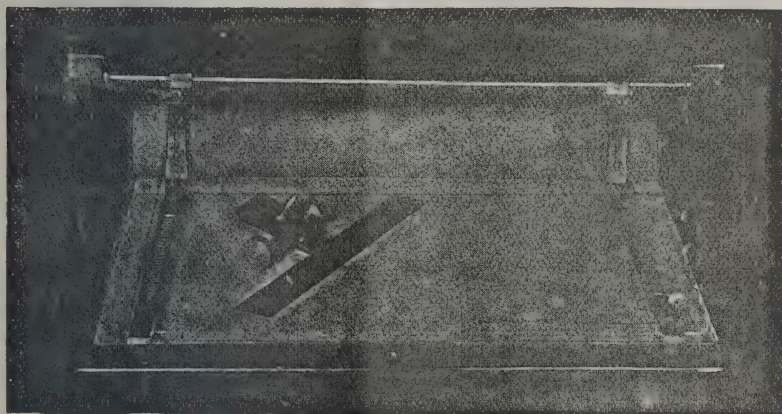
The ANGLE SEXTANT. This instrument is designed for use in taking shore angles, boat survey work, and keeping station in fleet. It can be set and read off instantaneously to $\frac{1}{4}$ degrees without the use of Tangent screw, vernier, or magnifier; Price in sling leather case £4

ARTIFICIAL HORIZONS.

Black Glass Artificial Horizons, complete in case £2 2/-

Artificial, Horizon mercurial, best construction, metal roof, trough and bottle £4

GILLIE'S PATENT CHART HOLDER.



This appliance is intended to take the place of the chart weights, books, &c. generally used in a chart room for holding charts stretched out and flat.

It consists of two metal arms, hinged at one end, which, when not in use, are lifted up out of the way against the front of the chart room, where they are held in their places by means of springs. The arms are padded on their under sides in order that the surface of the charts may not be injured.

Price, handsomely bronzed in metal, 12s. per pair ; polished brass, 25s. per pair.

GILLIE'S PARALLEL RULE AND CLIP.

A new form of Parallel Rule, specially designed for ascertaining and making courses and positions on charts. It consists of a pair of rollers and an axle, with a clip for holding a straight-edge mounted upon the middle of the axle. Also in place of the straight-edge, a protractor may be fixed in the clip, and the combination then practically forms a Field's Rolling Rule. Price, 7s. 6d. ; with straight-edge, or with protractor complete, 10s.

NEW PARALLEL CHART DIVIDERS.



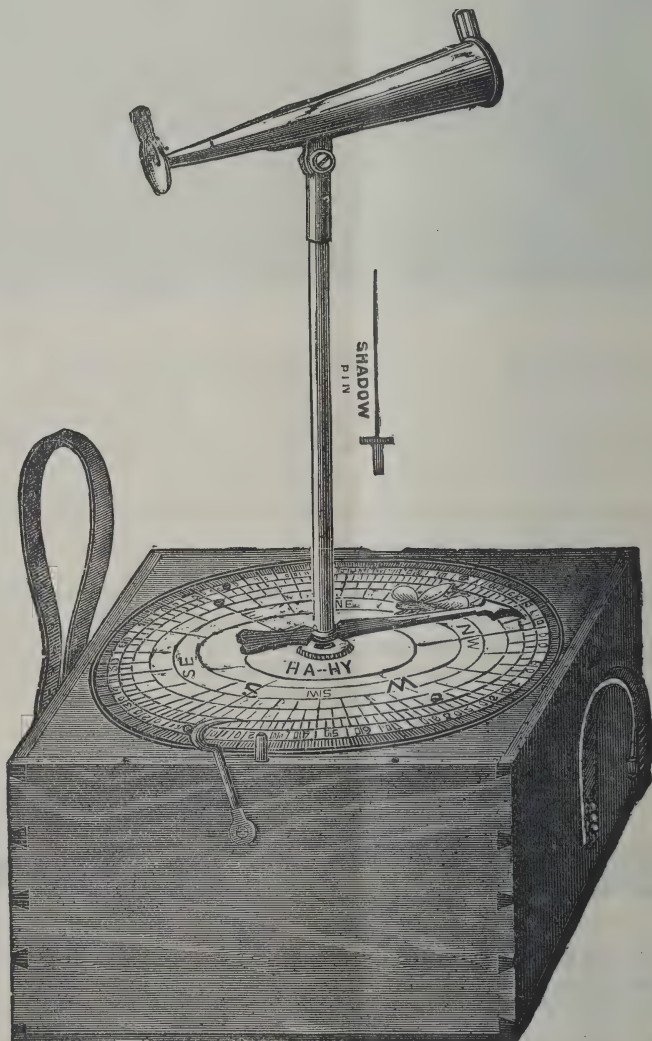
It pricks the Ship's observed position at Noon on the Chart. It measures the Course and Distance. It Lays-off a Course or Bearing. It Dispenses with the use of the Parallel Rule.

PRICE.—Made of German Silver, in Case, with Directions	...	£2	10	0
„ Brass „ „	...	£2	0	0

Semi-circular Protractors, for use with above, in Ivorine, 4s. 6d.

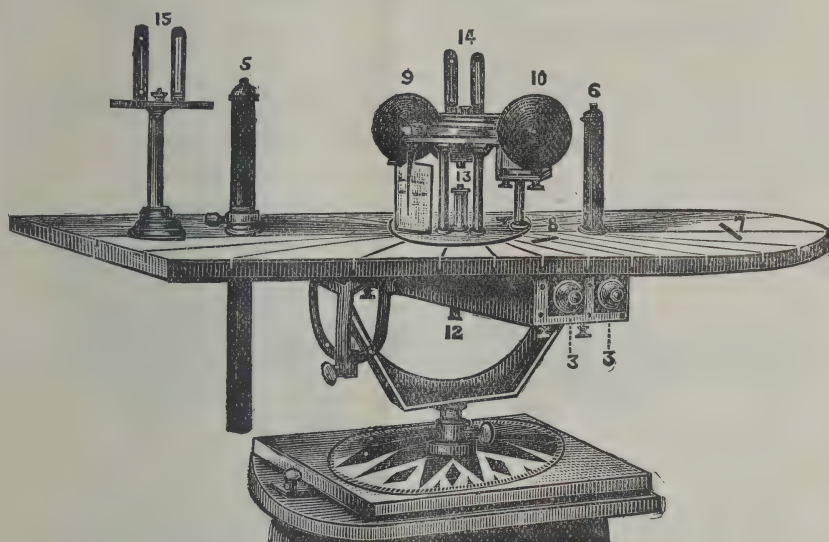
RADIOGRAPH, verifies Ship's Position, shows Error of Compass, gives Distances of Fixed Objects, 8/6.

BAIN AND AINSLEY'S SHIP'S COURSE CORRECTOR,
NEW AND IMPROVED PATTERN.



This new Invention for finding the Deviation of the Compass, without calculation, is the simplest and most correct made. Can be used with either sun, stars, or any other object, and is absolutely correct in all latitudes. In construction it is so simple that any person can use it, and it is not liable to get out of order. Price £5.

BEALL'S COMPASS DEVIASCOPE.



As used at the Board of Trade Examinations, and by the principal Navigation Schools, and Nautical Training Colleges.

The Deviascope is a large model, illustrating in a most simple and practical manner the Deviations of the Compass in Iron Ships; it shows all the various co-efficients, and the method of compensating them. It will be found of the greatest assistance for teaching and examination purposes.

Price, complete with all accessories, including Deflector, Dipping and

Vibrating Needles, packed in varnished pine case	...	...	...	...	£15
Handbook to the Deviascope...	...	...	...	...	1/6

COMPASS ERROR DETECTORS.

The Deviatometer with Star Mirror and Clinometer	...	...	...	£7 10/-
The London Pelorus—for using with Azimuth tables	...	...	...	£6
The Palinurus	...	...	...	£6
The Azimeter Dial or Course Corrector	...	...	...	£6

PATENT TOWING LOGS, DECK LOGS, AND SOUNDING MACHINES.

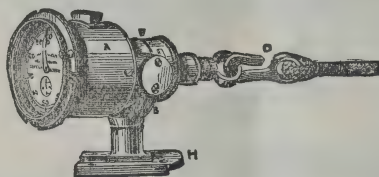


Walker's Patent A 1 Harpoon Log 55/-
 Walker's Patent A 2 ditto ditto 45/-
 Massey's Frictionless Conical End Log 55/-
 Massey's Frictionless Propeller Log, 45/-

YACHTS' PATENT LOGS.

Massey's Conical End Log, only 15 inches long, 50/-
 Walker's A 1 Harpoon Log, only 18 inches long, 55/-
 "Negus" small Taffrail Log, 5½ inches long, 22/-

Fig. 6



DECK LOGS.

In which the Measuring Dial is fixed to the Vessel's Stern or Quarter, and is therefore always within sight of the Officer of the Watch.

Walker's "Cherub" Taffrail Log, 84/-
 Walker's "Cherub" Taffrail Log, fig. 6, 84/-
 Spare Rotators, 18/- Governor, Brass, 8/6; Iron, 5/6
 Walker's "Tom Bowling" Log, for Large Steamers, 105/-
 Walker's Neptune Log for high speeds with Line £7
 Rocket Taffrail Log for Yachts, 63/-
 Massey's Deck Log and Speed Gauge, 70/-
 Reynold's Pendent Log, 63/- Spare Rotators, 15/-

SOUNDING MACHINES.

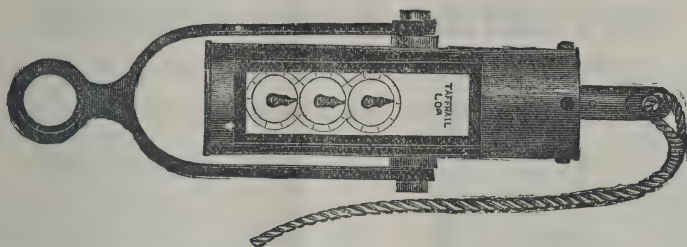
Massey's Frictionless Shield Sounder, 45/-
 Walker's Patent Sounding Machine, 50/-
 Deep Sea Sounders to 3,000 fathoms, 105/- Current Meters, 105/-

Lord Kelvins Navigational Sounding Machine complete with fittings £25. Depth Recorder £4. Sinkers 8/6
 Sounding tubes refilled.

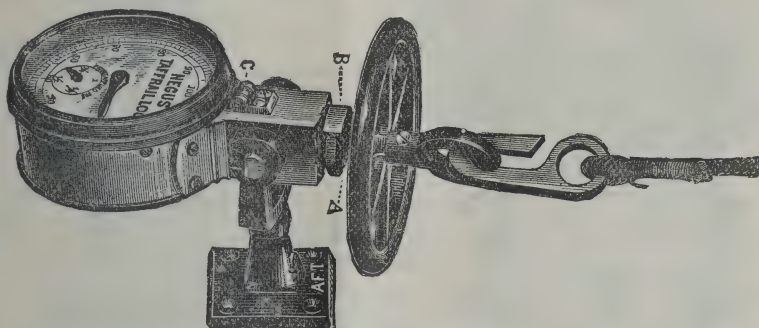
Cooper and Wigsell's Sea Sounding Apparatus, A pattern £18 10/- complete.
 B pattern £12 10/- complete.

Depth Recorder £5. 220 fathoms patent wire 38/- Sinkers 7/-
 Basnetts Atmospheric Sounding Machine, with winch, wire line, fairlead sinker and spare tubes, complete £10.
 or separate as follows

Sounding Machine, with spare glass tube in Box	...	...	...	£3 10 0
Improved Winch, with powerful Brake	...	...	...	£2 10 0
Wire Line, Best Crucible Steel, 300 Fathoms	...	...	...	£2 0 0
Fair Lead, 17/6. Sinker 15/- Spare Tubes	...	...	...	£0 10 0
James's Sentry Sounding Machine	...	...	...	£25
Rung's Deep Sea Sounder and Depth Gauge	...	...	...	£8 10 0



BLISS'S AMERICAN PATENT TAFFRAIL LOG. Price, complete with Line, £4 10s. Rotator, if sold separately, 17s. 6d.; Line, if sold separately, 10s. 6d.



"NEGUS" IMPROVED AMERICAN TAFFRAIL LOG.

Price complete, with 1 Line and one 1 Rotator, £6 6s.
Extra Rotators, 21s. each; extra Lines, 15s. each.

PATENT LOG AND HALYARD LINES.

Log Lines of 36, 40, 50, and 60 fathoms; also shorter lengths of 25 fathoms for small Yachts. Halyard Lines at per gross of yards.

LOG GLASSES, 14 secs. to 28 secs., in wood frame, 1s. 6d.; or in brass, 2s. 6d. each

FOG HORNS, SPEAKING TRUMPETS, &c.

The New Sentinel Fog Horn, in zinc, 31s. 6d.; or brass, 45s.
Fisherman's Fog Horn, 25s.

The "Aurora" Mechanical Fog Horn, large size, £2 12s. 6d.
Or, with Basket Protection, complete, £2 12s. 6d.

The "Vicar of Bray" Fog Horn, medium size, £1 11s. 6d.

The "Little Roarer", ditto, ditto, small size, 12s. 6d.

Norwegian Box Fog Horn, 60s.

Brass (Mouth) Fog Horn and Speaking Trumpets, 3s. 6d., 4s. 6d., 5s., 6s.

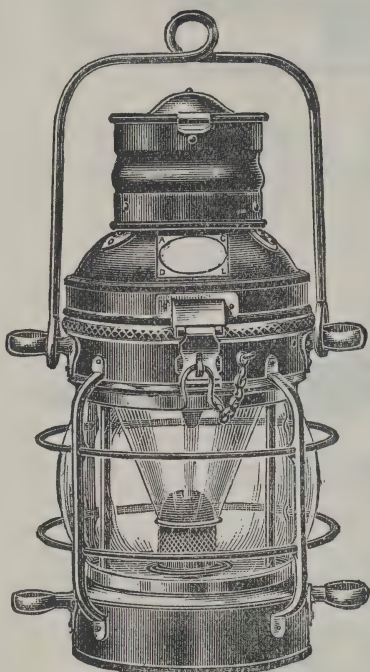
Tin Japanned ditto, 2s. 6d., 3s., Bellows Fog Horns, from 10s. 6d. each.

STENTOR MEGAPHONES, 15inch 6/6, 30inch 10/6, 40inch 15/-, 48inch 20/-

SHIP SIGNAL LIGHTS. Distress and Pilot Signals, Rockets and distinguishing Night Signals.

SHIPS' LANTERNS OF EVERY DESCRIPTION. NEW PATTERN PATENT LAMPS.

STRONGLY RECOMMENDED



With Patent Cone Windproof Burner.

These Lamps are specially constructed to burn Paraffin.

They are safe, simple, and brilliant. The combustion is perfect, and when properly trimmed and lighted they will burn all night in a gale of wind without attention.

Regulation Size Lanterns

PLAIN LENSE

	Galvanised Copper.	
Side Lamps per pair	50/-	72/6
Masthead Lamp	35/-	52/6
Anchor Lamps	25/-	37/6

DIOPTRIC LENSE

	Galvanised Copper.	
Side Lamps per pair	75/-	100/-
Masthead Lamp	50/-	70/-
Anchor Lamp	35/-	45/-

They are made strictly in accordance with the latest requirements of the Board of Trade, and the improvements specially conform to its recommendations.

Spare Cone Glasses at 7s. 6d. per dozen.

COPPER ANCHOR LAMP, for small Yachts, made on a similar principle, with 6 inch dioptric lens, 30/-.

PLAIN GLOBE LAMPS in Copper, 8 in. 17/6; 6 in., 11/6; 4 in., 10/6.

„ Galvanised Iron, 8 in., 10/-; 6 in., 8/6; 4 in., 7/6.

„ Tin Japanned, 8 in., 9/6; 6 in., 8/-; 4 in., 6/6.

Ordinary or Second Quality Lamps at much cheaper prices.

FOR SMALL YACHTS AND STEAM LAUNCHES, Tin Side Lamps, smallest made, per pair, 18/6; Anchor, 6/6 and 8/6; Masthead, 15/-; or the same size in Copper 35/-, 12/6 and 20/-; Second size Tin Side Lamps, 25/-; Anchor, 12/6; Masthead, 18/6; same size in Copper, 40/-, 18/-, 27/6.

PATENT TRICOLOR LAMP, Anchor, Port and Starboard Lamps in one Lantern, for small Yachts and open Boats, &c., small size in Copper, 35/-.

Ditto Tin Japanned, 17/6; full size in Copper, 45/-; do., Tin Japanned, 25/-.

STEAM LAUNCH LAMP, showing Masthead, Starboard and Port Lights, strongly made of Brass, 40/-.

Flash or Flare-up Lamps, 3/6 and 4/6.

Stern Lamps for Barges tin japanned 10/6, 17/6, Copper 25/-.

SALOON and CABIN LAMPS (Prices and Sketches on application).

BULKHEAD and ENGINE ROOM LAMPS.

Cabin Candle Lamps.

CHRONOMETERS, CABIN CLOCKS, &c.

TWO-DAY CHRONOMETERS, £25 to £38.

EIGHT-DAY CHRONOMETERS, £38 to £42.

Several good Second-hand Chronometers by best makers for hire or for sale at moderate prices.



AMERICAN LEVER CABIN CLOCK, in Octagonal Wood or in Metal Frames, with 4, 6, and 8 inch dials, both 3 hour and 8 day, silent, also striking.

Prices on application. Special Terms to Shippers, per dozen of each kind.

ENGLISH and FRENCH LEVER CABIN CLOCKS, of all Patterns and Prices, supplied to order. See also Prices under "Aneroid Barometers."

Clinometers; Col. Evelyn's Patent Bubble Level and Clinometer in polished teak, 6 in. radius, 30/-; in brass bronzed, 40/-.

CLINOMETER, either bronzed case or carved wood frame, 5 in. dial 45/-; 6 in. 52/6; 8 in. 60/-.

BINNACLE CLINOMETER in metal frame, 15s.

ANEROID AND MERCURIAL BAROMETERS, &c.

OF THE BEST MANUFACTURE OF ALL KINDS.

Aneroid Barometer with curved thermometer. In Oak Rope Frame, 25/-; ditto, in metal frame 35/-.

Lever Clocks to match, 40/- and 55/-.

SHIP or YACHT'S COMBINED ANEROID BAROMETER and THERMOMETER, and CLOCK in handsome cable frame, from 63/- to 84/-

ANEROID BAROMETER, with Compass and Thermometer, in Cases, useful to Travellers and Surveyors, from £3 5/-

Also SMALL POCKET ANEROID BAROMETERS for Tourists and Travellers, prices, 35/-, 42/-, 50/-, 63/-, 70/-, &c.

MERCURIAL BAROMETERS, for SHIPS and YACHTS, from 50/-

Board of Trade Marine Barometer with Class A Kew Certificate	...	...	£5 5/-
Ditto, Hydrometer	"	...	7/6
Ditto, Thermometer	"	...	10/6

SEA THERMOMETERS, Copper Cases, 3/6, 4/6, 6/6; Tin, 2/6, 3/6, 4/6; In Boxwood, 1/-, 1/6; Porcelain, 3/6, 4/6, &c.

Surveying Instruments of Best Quality supplied to order.

THEODOLITES, of the best make, divided on Silver, with Fine Achromatic Telescope, Tripod Stand, and case complete from 20 0 0

COMPASSES FOR STEAMERS, SAILING VESSELS, YACHTS, AND BOATS.

State size of Card and description of Compass required, and a quotation will be forwarded.

LORD KELVIN'S Standard Compass and Binnacle, on teak stand, fitted with two lamps, glass hinged night shade and day covers for lamps, movable magnets for adjusting compass, heeling clinometer. The compass is suspended, by chains, and consists of an exceedingly light card and short needles, complete with azimuth prismatic bezel, in two sizes. No. 1, for large Vessels. £50; No. 2, suitable for Yachts, £35. Torpedo Boat pattern £35.

The **PAGET COMPASS**, the best compass for iron ships and steamers. Advantages; Steadiness in rough weather, Sensitiveness in smooth weather. Capability of a more perfect compensation.

Class A.—PAGET STANDARD COMPASS, in improved Binnacle, with Patent Azimeter Top and Indicator, inside Adjustable Magnets, large soft-iron Correctors and Flinders Bar, complete with all fixings. £50 0 0

Class B.—PAGET STANDARD COMPASS, in Binnacle, with Azimuth indicators, Correcting Magnets, soft-iron Correctors, and Flinders Bar, complete with all fixings £30 0 0

THE PAGET COMPASS CARD, in box, can be used in any good Compass, 8 in., 35/-; 9 in., 37/6; 10 in., 40/-; 11 in., 45/-; 12 in., 50/-.

THE PAGET AZIMUTH INDICATOR, complete in Case 70/-

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THOMAS GREY,

Assistant Secretary, Marine Department,

By Order of the Board of Trade,
March, 1882.

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Yours, &c.,

London, March 20th, 1894.

A SMALL SHIPOWNER.

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